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INFLUENZA—PREVALENCE IN THE UNITED STATES.

The decline in the prevalence of influenza and in excess mortality from influenza and pneumonia (all forms) has continued during the week ended March 6, 1920. In all but three of the States for which data were available—Alabama, Arkansas, and Montana—the number of cases as reported to the Public Health Service by State health departments was considerably less than for the preceding week (see Table IV). The excess mortality rate from influenza and pneumonia (all forms) in the group of forty-odd large cities included in the Weekly Health Index of the Bureau of the Census showed another marked decrease, the annual rate for the week ended March 6 being only 183 per 100,000, as against 422 for the week ended February 28 and 867 for the week ended February 21 (see Table I).

So far there are no indications of a recrudescence similar to that following the 1918 epidemic wave. The disease apparently is still relatively quite prevalent in certain parts of the South; but in interpreting totals for States, allowances must be made for delayed reports as well as for the relatively slow spread of the disease to isolated sections. The excess death rate from influenza and pneumonia (all forms) is declining at a more rapid rate than it did during the corresponding period of the 1918 epidemic. In the table following is compared the excess mortality from these causes by weeks during the 1918 and the 1920 epidemic waves, the peak weeks (Oct. 26, 1918, and Feb. 14, 1920) being placed in line.

TABLE I.—Comparison of the excess¹ annual mortality rate per 100,000 from influenza and pneumonia (all forms) by weeks during the 1920 epidemic with that for corresponding weeks in the 1918 epidemic in cities included in the Weekly Health Index of the Bureau of the Census, considered as a whole.

Week ended—	Excess over corresponding week of median year.	Week ended—	Excess over corresponding week of median year.
1918.		1920.	
Sept. 14.....	—6	Jan. 3.....	—56
21.....	76	10.....	—55
28.....	326	17.....	—27
Oct. 5.....	1,028	24.....	184
12.....	2,557	31.....	741
19.....	4,592	Feb. 7.....	1,241
26.....	4,695	14.....	1,319
Nov. 2.....	3,332	21.....	867
9.....	1,832	28.....	422
16.....	989	Mar. 6.....	183
23.....	620		
30.....	526		
Dec. 7.....	617		
14.....	792		
21.....	801		
28.....	629		

¹ Excess over the mortality rate from the same causes in corresponding week of the median year in the period 1910-1916. The weekly rates for the median year have been approximated by plotting the rate for the median year for each month (thus affording a rough "normal" seasonal curve) for each city, and then by reading from the curve the indicated median rate at the midpoint for each week. The excess has been found by subtracting this median rate from the actual rate for the corresponding weeks in 1918 and 1920.

If the ratios of the 1920 rates to those of the corresponding weeks in the 1918 epidemic wave be computed, the indication is afforded that the 1920 wave will be shorter in duration than the 1918 wave. The ratios are presented below:

Weekly ratio of excess annual death rate from influenza and pneumonia (all forms), Jan. 11-Mar. 6, 1920, to that of corresponding week of 1918 epidemic wave, for certain cities as a group.

Week ended—		Ratio.
1918	1920	
Sept. 28	Jan. 17	0.086
Oct. 5	Jan. 24	.232
Oct. 12	Jan. 31	.311
Oct. 19	Feb. 7	.282
Oct. 26	Feb. 14	.293
Nov. 2	Feb. 21	.277
Nov. 9	Feb. 28	.260
Nov. 16	Mar. 6	.241

In other words, we are passing the stage where, from the experience afforded by the 1918 epidemic in these cities, a recrudescence might be expected, without any definite indication of recrudescences. It is too early, of course, to predict with any degree of certainty that no secondary wave will occur; the indications so far do not point

to the probability of such an occurrence in any considerable proportion of the localities.

A scrutiny of the excess death rates from influenza and pneumonia (all forms) for each city (see Table II), as well as of the case reports (see Table IV) affords further ground for this view. With the exception of Birmingham and Worcester, whose rates are still relatively high, nearly all of the cities show fairly consistent declines from their peak rates. In at least seven cities the rate has reached or has gone below the normal rate for the season of the year.

TABLE II.—*Excess of annual death rate per 100,000 from influenza and pneumonia (all forms) by weeks, Dec. 7, 1919, to Mar. 6, 1920, over that in corresponding week of median year (1910-1916) in certain large cities.*¹

City.	1919: Week ended—			1920: Week ended—										
	December—			January—					February—				March.	
	13	20	27	3	10	17	24	31	7	14	21	28	6	
Albany, N. Y.	28	0	2	54	251	314	367	250	493	980	719	602	162	
Atlanta, Ga.	56	3	100	85	209	33	30	149	574	1,482	1,998	1,381	(²)	
Baltimore, Md.	47	41	97	106	204	96	180	101	604	1,745	1,457	163	265	
Birmingham, Ala.	77	9	62	5	1	83	115	44	243	1,311	1,210	1,502	1,666	
Boston, Mass.	101	(²)	122	131	113	114	1	266	758	1,399	1,137	600	223	
Buffalo, N. Y.	108	124	48	69	102	134	3	27	522	1,334	1,372	847	377	
Cambridge, Mass.	171	46	151	68	111	62	107	391	771	1,058	824	350	82	
Chicago, Ill.	77	67	87	102	118	37	604	1,896	1,681	660	158	55	85	
Cincinnati, Ohio.	51	12	4	8	71	108	54	41	199	497	734	959	637	
Cleveland, Ohio.	71	36	92	0	41	13	6	91	843	1,483	954	609	251	
Columbus, Ohio.	26	57	151	103	130	6	27	322	1,156	2,519	1,309	883	203	
Dayton, Ohio.	70	20	159	51	101	11	249	1,567	1,611	1,017	704	25	85	
Full River, Mass.	65	2	106	128	5	99	141	272	232	200	563	322	291	
Grand Rapids, Mich.	3	60	33	15	105	2	79	77	1,047	1,285	1,088	398	262	
Indianapolis, Ind.	39	46	42	168	62	11	101	587	1,419	2,004	1,071	654	500	
Jersey City, N. J.	44	214	35	90	64	67	98	755	(²)	(²)	989	317	169	
Kansas City, Mo.	60	(²)	12	31	31	221	1,520	1,708	3,362	2,475	980	595	216	
Los Angeles, Calif.	53	18	118	16	39	23	13	19	211	646	534	391	330	
Louisville, Ky.	32	100	20	12	3	13	41	151	620	874	778	378	142	
Lowell, Mass.	20	144	28	145	66	122	220	27	283	207	1,457	1,137	1,038	
Memphis, Tenn.	146	6	24	193	81	74	41	10	419	1,836	1,733	1,224	1,082	
Milwaukee, Wis.	70	87	11	3	111	32	332	1,434	1,927	1,201	776	304	46	
Minneapolis, Minn.	59	10	20	88	41	84	106	629	2,065	1,494	538	11	85	
Nashville, Tenn.	149	9	126	130	47	169	55	193	17	613	1,638	2,280	707	
Newark, N. J.	54	121	136	77	64	106	91	408	1,168	1,503	911	428	158	
New Haven, Conn.	31	3	120	0	222	169	103	208	271	1,630	1,902	181	377	
New Orleans, La.	25	101	9	36	67	50	35	92	141	492	860	157	30	
New York City, N. Y.	85	82	75	61	42	4	241	1,033	1,705	1,505	689	206	53	
Oakland, Calif.	130	113	66	16	84	21	395	431	1,196	1,185	1,341	396	132	
Omaha, Nebr.	93	76	89	117	151	70	95	1,007	1,488	1,512	616	507	202	
Philadelphia, Pa.	56	25	122	76	116	64	29	163	567	1,384	1,551	822	362	
Pittsburgh, Pa.	61	60	29	120	31	75	89	290	1,099	3,297	1,322	322	526	
Providence, R. I.	63	9	8	127	34	33	143	32	459	1,421	1,498	803	406	
Richmond, Va.	90	246	238	130	230	70	74	308	761	857	531	46	113	
Rochester, N. Y.	12	60	96	41	38	87	11	235	778	824	334	176	36	
St. Louis, Mo.	49	29	45	15	72	39	177	1,278	2,399	1,628	618	156	16	
St. Paul, Minn.	102	24	5	12	79	(²)	364	493	1,465	1,125	376	131	(²)	
San Francisco, Calif.	81	94	57	4	68	67	319	462	1,091	1,341	1,081	819	428	
Syracuse, N. Y.	33	104	17	10	100	59	115	784	2,651	2,291	707	515	131	
Toledo, Ohio.	15	36	70	19	24	17	12	156	865	780	776	299	80	
Washington, D. C.	41	82	46	175	34	89	782	2,072	1,845	901	409	66	41	
Worcester, Mass.	210	26	54	117	1	50	123	79	104	973	1,215	679	1,435	

¹ The weekly rates for the median year in the period (1910-1916) have been approximated by plotting the rate for the median year for each month (thus affording a rough "normal" seasonal curve) for each city, and then by reading from the curve the indicated median rate at the midpoint for each week. The excess has been found by subtracting this median rate from the actual rate for each week in 1920. When the difference is "minus" it is so indicated.

² For pneumonia only.

³ No report.

⁴ For influenza only.

The number of deaths from influenza and pneumonia (all forms) by weeks during the present epidemic for the cities included in the foregoing tabulations, as furnished by the vital statistics division of the Bureau of the Census, is given in the following table:

TABLE III.—Deaths from influenza and pneumonia (all forms) in certain large cities by weeks, in December, 1919, and in January, February, and March, 1920.

City.	1919: Week ended—			1920: Week ended—											
	December.			January.					February.				March.		
	13	20	27	3	10	17	24	31	7	14	21	28	6		
Albany, N. Y.	5	5	6	6	3	2	3	14	19	29	23	20	19		
Atlanta, Ga.	18	19	16	16	117	110	110	15	32	168	189	166	(?)		
Baltimore, Md.	28	32	28	30	20	35	24	59	122	268	231	123	80		
Birmingham, Ala.	8	11	9	11	11	18	16	14	22	18	59	70	76		
Boston, Mass.	21	(?)	23	24	28	28	45	85	158	255	216	136	80		
Buffalo, N. Y.	9	8	15	13	10	7	19	17	67	141	145	98	56		
Cambridge, Mass.	1	4	2	4	8	7	8	14	22	28	23	13	4		
Chicago, Ill.	80	92	98	98	107	153	472	1,109	1,005	494	243	136	120		
Cincinnati, Ohio.	11	15	17	18	14	12	17	25	38	62	81	99	73		
Cleveland, Ohio.	17	23	14	28	21	26	26	41	158	258	177	125	71		
Columbus, Ohio.	8	7	3	5	15	9	8	23	59	118	66	48	19		
Dayton, Ohio	6	5	1	7	4	7	13	46	47	32	24	7	5		
Denver, Colo.	8	10	11	15	21	18	24	49	159	160	67	44	21		
Detroit, Mich.	(?)	(?)	(?)	(?)	(?)	(?)	(?)	324	740	481	185	101	73		
Fall River, Mass.	3	5	3	3	7	10	5	2	5	16	25	19	18		
Grand Rapids, Mich.	2	4	2	3	1	4	2	6	31	37	32	14	11		
Indianapolis, Ind.	11	12	13	13	18	16	21	36	92	124	72	40	41		
Jersey City, N. J.	18	13	19	12	14	14	24	64	(?)	(?)	78	37	28		
Kansas City, Mo.	14	(?)	12	12	13	29	96	120	220	167	74	63	29		
Los Angeles, Calif.	11	16	6	18	16	18	19	22	42	88	74	57	49		
Louisville, Ky.	7	4	10	9	10	10	9	18	40	52	48	36	26		
Lowell, Mass.	4	2	5	3	5	4	2	7	12	10	36	29	27		
Memphis, Tenn.	12	8	8	15	12	12	11	10	22	64	61	46	42		
Milwaukee, Wis.	16	21	15	15	25	13	45	141	184	121	41	31	16		
Minneapolis, Minn.	14	11	10	20	12	10	9	63	168	125	53	13	5		
Nashville, Tenn.	10	7	4	4	6	11	6	12	8	22	47	62	33		
Newark, N. J.	13	9	9	15	17	14	20	58	116	142	93	54	34		
New Haven, Conn.	6	8	6	11	6	8	10	19	20	60	68	31	23		
New Orleans, La.	16	11	20	18	27	27	27	32	36	62	89	37	27		
New York, N. Y.	148	162	175	186	218	261	511	1,308	1,988	1,796	987	513	369		
Oakland, Calif.	2	3	5	7	4	8	20	24	55	54	69	21	19		
Omaha, Nebr.	5	6	12	5	4	7	13	45	62	63	32	28	3		
Philadelphia, Pa.	51	60	43	64	55	75	108	153	280	564	620	373	217		
Pittsburgh, Pa.	30	31	36	53	47	53	55	76	168	417	290	193	106		
Portland, Oreg.	15	19	15	14	13	18	19	15	21	57	52	41	(?)		
Providence, R. I.	6	10	11	6	12	13	8	14	39	88	92	57	37		
Richmond, Va.	5	1	2	6	2	9	6	21	35	38	28	13	8		
Rochester, N. Y.	7	5	4	8	13	7	12	23	50	52	27	19	12		
St. Louis, Mo.	27	33	35	47	57	48	73	236	401	282	120	60	35		
St. Paul, Minn.	1	8	7	7	4	(?)	26	52	80	63	26	14	(?)		
San Francisco, Calif.	11	11	15	20	14	26	48	59	115	137	112	89	54		
Seattle, Wash.	9	7	7	9	12	4	7	12	32	98	78	69	34		
Spokane, Wash.	2	5	2	0	4	3	3	12	32	64	33	17	5		
Syracuse, N. Y.	4	2	6	6	9	8	10	31	89	78	29	23	11		
Toledo, Ohio.	7	8	3	8	9	8	9	18	54	50	50	20	15		
Washington, D. C.	19	23	14	32	22	27	81	181	164	92	55	30	23		
Worcester, Mass.	13	6	6	5	10	9	7	14	15	44	52	34	59		

¹ Deaths from pneumonia (all forms) only.

² No reports.

³ Deaths from influenza only.

The number of cases of influenza by States as reported weekly to the Public Health Service by State health departments is shown in the following table:

TABLE IV.—Influenza case reports. Number of cases of influenza occurring in various States as reported to the Public Health Service by State health departments.

[States omitted are those from which no reports have been received. Blank spaces indicate that no report was received for the week. These reports are preliminary and subject to change.]

State.	Cases reported week ended—								
	January.				February.				March.
	10	17	24	31	7	14	21	28	6
Alabama.....			8	203	1,296	3,236	2,366	3,603	3,885
Arkansas.....	35	53	179	595	5,666	6,599	2,793	1,690	2,576
California.....	32	322	1,604	7,133	13,660	11,887	7,420	5,527	918
Connecticut.....	1	14	1,123	4,664	5,666	4,868	2,771	1,183	571
Delaware.....	1		5	21	86	78	43	36	50
District of Columbia.....	9	126	1,216	1,616	557	298	104	36	21
Florida.....	2	10	484	1,547	1,581	1,735	1,420	1,026	580
Georgia.....	27	27	95	617	3,256	5,411	7,809	8,210	3,677
Idaho.....	88	270	922	2,783	2,394				
Illinois.....	73	3,251	14,805	29,156	30,330	23,087	7,237	3,062	1,344
Indiana.....	18	44	1,714		7,811	7,503	3,904	2,038	1,289
Iowa.....	10	30	644	3,960	5,070	1,981	869	170	96
Kansas.....	17	45	1,130	8,582	16,960	17,699	10,026	3,580	3,332
Kentucky.....	45	75	170	878	2,536	6,067	4,295	8,584	
Louisiana.....	52	27	123	763	1,901	3,690	3,163	3,363	2,541
Maine.....	1	4		387	936	3,942	3,702	2,134	1,130
Maryland.....				4,935	8,942	4,758	3,184	2,052	
Massachusetts.....	40	54	490	3,730	9,731	12,389	4,375	2,395	1,144
Michigan.....					14,201	13,470	6,672	3,861	
Minnesota.....				5,775	11,397	7,555	4,213	1,447	692
Missouri.....				4,043	5,359	1,696	466		
Mississippi.....					2,761	4,014	3,332	2,475	1,798
Montana.....		1	67	1,022	1,847	1,650	1,400	348	514
Nebraska.....	2	1	154	1,515	3,968	6,048	3,272	2,492	2,007
New Hampshire.....				610					
New Jersey.....	23	98	753	7,865	9,603	5,807	2,798	1,043	764
New Mexico.....	8	4	61	260	1,576	1,166	632	204	186
New York (exclusive of New York City).....	81	61	555	4,755	11,616	13,259	11,304	5,330	4,930
New York City.....	100	384	5,690	30,456	21,388	8,091	3,030	1,069	489
North Carolina.....				3,856	12,892	25,571	18,439	8,398	3,800
North Dakota.....					946	497	178		
Ohio.....					10,479				
Oregon.....					1,042	1,318	1,971	2,495	3,309
Pennsylvania.....					16,090	13,324	9,365	1,723	
South Carolina.....				5,661	3,179	3,916	2,846	1,716	797
South Dakota.....		3	118		5,042	4,976	3,047	1,649	495
Tennessee.....					2,331	1,432			
Texas.....					11,265	6,788	1,035	588	123
Utah.....					1,489	228	96		
Vermont.....			25	89	272	796	1,314	1,071	481
Virginia.....				3,097	6,318	2,984	1,512	1,073	
Washington.....			12	902	6,451	6,426	4,596	1,559	1,060
West Virginia.....				1,667	4,732	6,308	1,848	780	
Wisconsin.....	3	67	1,944	6,739	14,328	10,310	6,274	3,131	994
Wyoming.....				1,372					
Total.....	618	4,971	34,091	141,009	295,584	266,948	156,685	90,283	43,735
Number of States reporting.....	22	22	25	31	43	40	39	36	31

¹ Week ended Friday.

² Five days only.

³ Six days only.

STATISTICS OF INFLUENZA MORBIDITY.

WITH SPECIAL REFERENCE TO CERTAIN FACTORS IN CASE INCIDENCE AND CASE FATALITY.¹

By W. H. Frost, Surgeon, United States Public Health Service.

Because of the incompleteness and lack of uniformity in reports of influenza morbidity, the only comprehensive statistical record of the recent pandemic must be based on records of mortality. While this deficiency of morbidity records is by no means peculiar to influenza, it is nevertheless a serious obstacle to broad epidemiological studies, which require for their basis accurate records of the occurrence of infection in various demographic units. Owing to the variable factor of case fatality, statistics of mortality alone do not afford an accurate measure of relative case incidence, so that analysis of mortality alone may fail to bring out important epidemiological features, or, still worse, may point to erroneous conclusions.

The statistics which are here discussed were collected by the Public Health Service by special canvasses made in 10 cities ranging in population from 25,000 to 600,000, and in several smaller cities and rural areas in Maryland,² the latter being considered together as a single statistical group. It was necessary to limit the studies for the most part to communities in which the Public Health Service was at the time maintaining previously established organizations prepared to collect the requisite data reliably and efficiently; but notwithstanding these limitations the communities canvassed represent widely separated sections of the United States. Figure 1 shows the location of the communities where canvasses were made, and for each community the total population (estimated roughly and expressed in round numbers) and the population included in the canvass.

Data were collected by intelligent inspectors working under specific detailed instructions and careful supervision. In each locality these inspectors made a house-to-house canvass in 10 or more enumeration districts, so chosen as to give, presumably, a fair sample of the general population. The effort was made to canvass in each city not less than about 5,000 persons, in order to secure a group sufficient for simple statistical analyses; and in cities of more than 100,000 population, to increase this number to give not less than about 5 per cent of the total population. These conditions were generally fulfilled.

¹ Read before the section on vital statistics, American Public Health Association, New Orleans, La., Oct. 30, 1919.

² The results of these surveys will be presented later in more detail. Partial presentations of some of the statistics here cited have already been made, viz—

Influenza in Maryland: Preliminary Statistics of Certain Localities, by W. H. Frost and Edgar Sydenstricker. Public Health Reports, vol. 34, No. 11, Mar. 14, 1919.

The Epidemiology of Influenza, by W. H. Frost. American Med. Jour., vol. 73, No. 5, Aug. 2, 1919. Reprinted in Public Health Reports, vol. 34, No. 33, Aug. 15, 1919.

Regarding each individual in the canvassed populations, the inspectors recorded the name, color, sex, and age at last birthday; whether or not sick since September 1, 1918, with influenza, pneu-

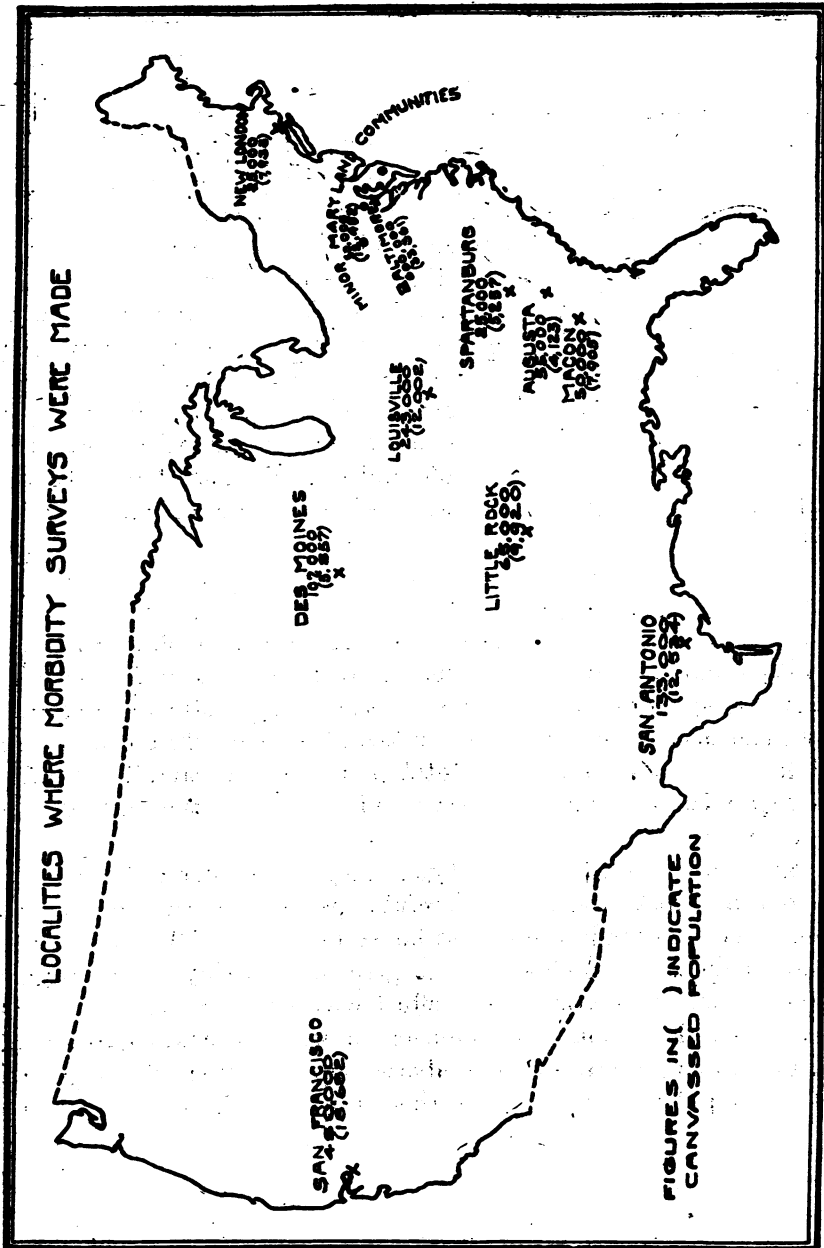


Fig. 1.

monia, or indefinitely diagnosed illness suspected to be influenza. Regarding each case of such illness, the facts recorded were the nature of the illness, i. e., whether influenza, pneumonia, or doubtful,

date of onset, duration of illness, and date of death if death resulted. Regarding each household, the inspectors recorded the number of rooms occupied and their impressions of the economic status of the family, whether well-to-do, moderate, poor, or very poor. This economic classification being merely an expression of the general impressions of a number of inspectors is of course a very rough one.

The precision of data secured in this way can not be discussed in detail within this space, but it may be said that with full appreciation of the sources of error the results are believed to be fairly accurate and reliable for the purposes to which they are applied. The canvass was made, in each locality, as soon as possible after the epidemic appeared to have definitely subsided, necessarily judging of this by current morbidity and mortality reports. In Baltimore and San Francisco, where the first canvass was completed in December, a second canvass was made in January and February to obtain record of a recrudescence which had taken place in the interval. In Louisville, where the canvass was completed December 27, the Weekly Health Index records of mortality indicate that the epidemic continued at a relatively low level through January and February, with a definite exacerbation during March. Presumably, therefore, a considerable number of cases occurred in Louisville after the case canvass had been made. In all other localities the canvass is believed to have comprised practically the whole of the epidemic period.

The course of the epidemic, as indicated by the weekly case-incidence rate, was widely different in the various localities studied. In New London, in Baltimore and other Maryland communities, and in Little Rock, the epidemic was sharply explosive, developing mostly in one phase of six to eight weeks' duration. In San Francisco the curve was similar but less acute and showed a considerable secondary recrudescence. In Spartanburg, Augusta, Macon, Louisville, and Des Moines, the epidemic was decidedly more protracted in its course; and in San Antonio the curve showed two distinct and approximately equal peaks, reached in the weeks ended October 19 and December 7, respectively. These differences are illustrated in Figure 2, which shows the curves of case incidence in five localities.

In five of the cities canvassed, records of weekly mortality from influenza and pneumonia in the total population are available for comparison with the weekly case incidence in the samples of population canvassed. As shown in Figure 2, the mortality curves in these cities conform to the curves of case incidence in general shape and in chronology, with a lag of about one week as expected.

So far as these few examples justify any conclusion, it would appear that for purposes of comparison between different communities with respect to the chronology of the epidemic, mortality statistics give results quite similar to those derived from morbidity statistics.

However, the varying ratio of case incidence to mortality may introduce wide discrepancies into the quantitative analysis of curves based on these two sets of data. For example, it is evident from inspection of Figure 2 that the relative values of epidemicity indices com-

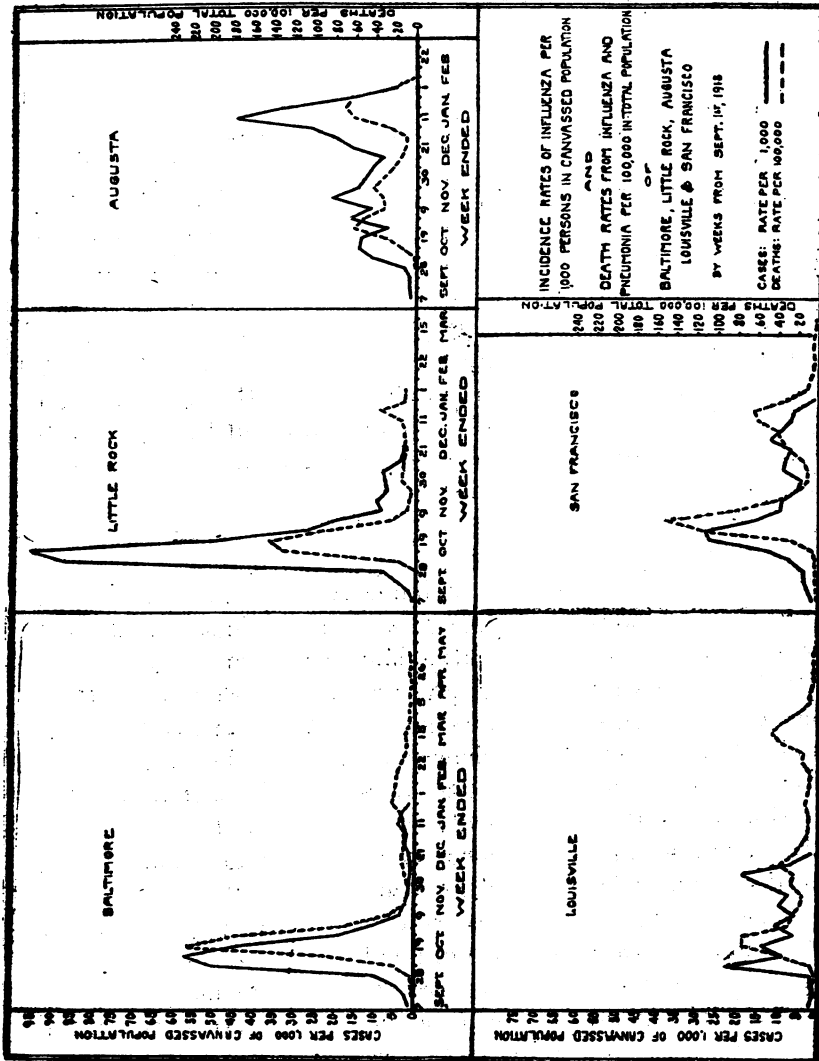


FIG. 2.

puted for Baltimore and Little Rock from mortality statistics according to the method recently applied by Pearl¹ would be quite different from those of indices similarly computed on the basis of morbidity statistics.

¹ Pearl, Raymond, *Influenza Studies*: Public Health Reports, vol. 34, No. 32, Aug. 8, 1919.

Factors in Case Incidence.

The gross attack rates per 1,000 persons canvassed in the several localities are shown in the following summary. These rates are based on the total epidemic morbidity, including cases classed as "influenza," "pneumonia" and "doubtful," the last class constituting not more than 10 per cent of total cases in any locality.

Incidence rates of influenza per 1,000 persons canvassed in 11 localities.

Louisville ¹	150	Baltimore.....	246
New London.....	185	Augusta.....	341
Macon.....	213	Little Rock.....	359
Spartanburg.....	214	Minor communities in Maryland.....	405
San Francisco.....	215	San Antonio.....	535
Des Moines.....	231	All localities.....	280

¹ Canvass concluded before epidemic had run its full course.

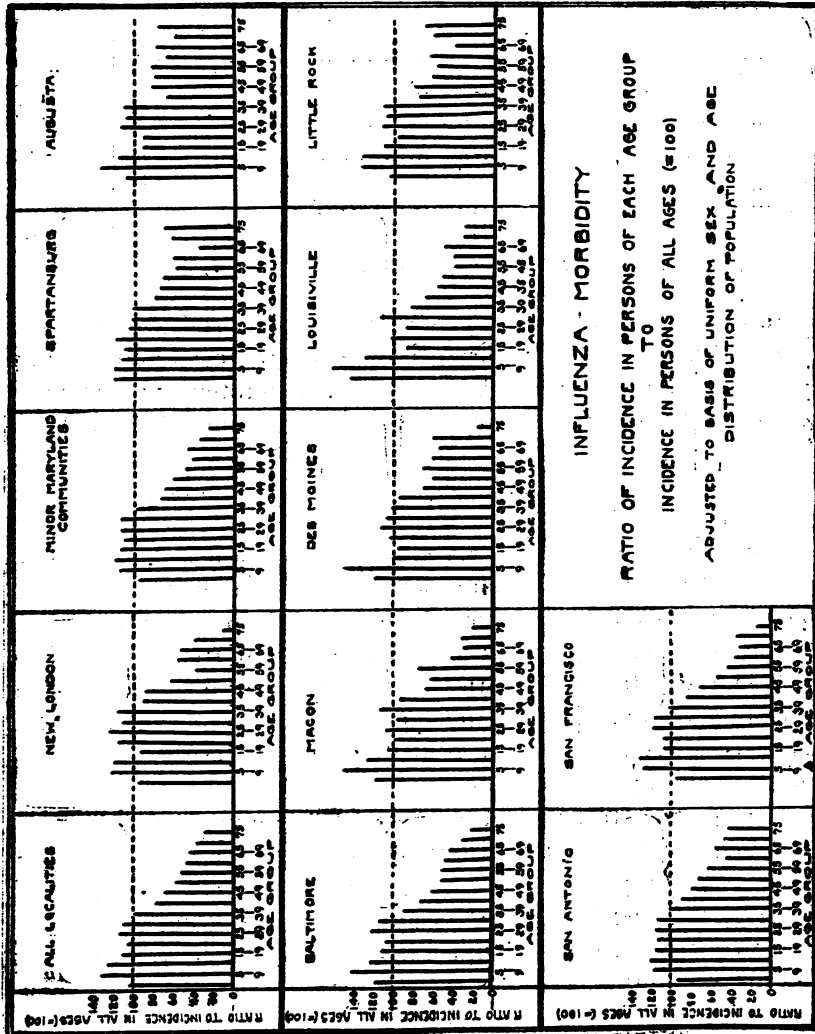
The range of variation is considerable, the attack rate in San Antonio having been nearly three times that in New London; but in five of the localities, geographically widely separated, the incidence rate varied only within narrow limits, namely, from 200 to 250 per thousand. Variations in attack rate show no apparent consistent relation to geographic location or size of community, or to the rapidity of development of the epidemic.

Age.—Within each locality characteristic variations in incidence rate are noted in relation to color, sex, and age, the factor of widest and most constant variation being age. The nature and extent of the variations in case incidence in relation to age are illustrated in Figure 3, showing for all localities and for each locality the ratio of incidence in each age group to incidence at all ages in that locality, the latter rate having been first adjusted in every case to a uniform basis of sex and age distribution.¹

Considering the statistics of all localities combined, the attack rate was highest in the age group 5 to 9, declining with almost unbroken regularity in each successive higher age group. An exception to this regular decline occurs in the age groups 25 to 34, in which the attack rates are higher than in the age groups 15 to 24. Considering individual localities, minor differences are noted in the relative incidence in various age groups; but on the whole the essential similarity is much more striking than these slight differences, indicating that a selective incidence in relation to age was a marked characteristic of this epidemic.

¹ The standard population used for this and similar rate adjustments mentioned later is the total population of the Continental United States, males and females, by five-year age periods, as per census enumeration of 1910.

Sex.—With few exceptions the attack rate at all ages was found to be somewhat higher in females than in males. Since the normal ratio of males to females, especially between the ages of 15 and 34, was found in our surveys to have been considerably disturbed, due to withdrawals of males for military service, the incidence rates



among males and females, respectively, have been adjusted to a normal age distribution for each sex as existing in 1910. The ratios of incidence in females to incidence in males, based on actual and adjusted rates, are shown in the following summary:

Ratio of incidence among females to incidence among males in all localities and in each locality canvassed. Comparisons based on actual and adjusted rates.

Localities.	Ratio of incidence in females to incidence in males (=100).	
	Actual rates.	Adjusted rates.
All localities.....	106	106
Macon.....	119	118
Minor Maryland communities.....	108	113
Spartanburg.....	113	110
Baltimore.....	108	109
New London.....	108	104
San Francisco.....	105	104
San Antonio.....	104	103
Augusta.....	99	102
Des Moines.....	103	101
Louisville.....	95	99
Little Rock.....	100	98

Considering all localities, the excess of incidence in females was 6 per cent. Considering individual localities the differences ranged from an excess of 19 per cent to a deficiency of 2 per cent, a lesser incidence among females being shown in only 2 of the 11 localities.

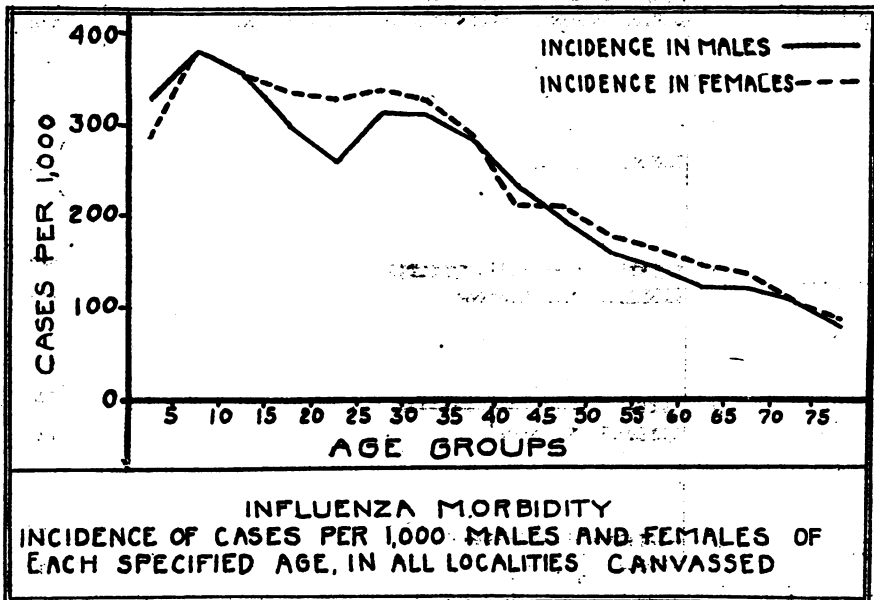


FIG. 4.

The incidence rates for all localities in males and females, respectively, of each five-year age group, are shown in Figure 4, from which it is seen that the incidence in females was higher in each age period, except under 5, 10 to 14, 40 to 44, and 70 to 74. The excess of incidence in males in these groups is relatively small and is hardly significant in the highest age group where the rates are computed from small figures. The most striking excess of incidence in females occurs between the ages of 25 and 40, the difference between the

sexes being relatively slight in age periods above and below these limits. These facts indicate that in general, females over the age of 15, especially between the ages of 15 and 45, were either more susceptible to infection or more generally and more intimately exposed than males of corresponding age.

Color.—In all localities canvassed the colored population comprised in the canvass was considerably smaller than the white, constituting

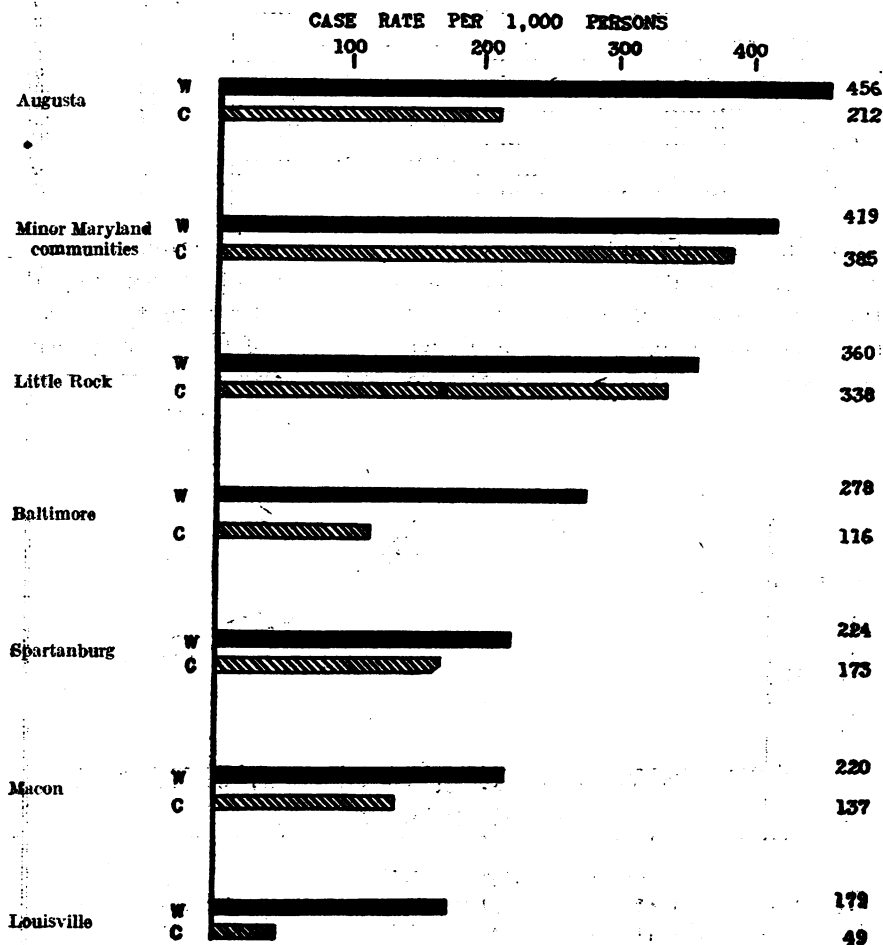


FIG. 5.—Influenza: Incidence rates per thousand in white and colored population of seven localities.

in some localities a group too small for any significant comparison between the races. In the 7 localities with considerable colored populations, the incidence rates among the colored were uniformly lower than among the white, the differences persisting after adjustment of the rates to a uniform basis of sex- and age-distribution. As shown in Figure 5, the extent of the difference varied, being relatively great in Baltimore, Augusta, and Louisville, and very small in Little

Rock. This relatively low incidence in the colored race is quite contrary to what would have been expected a priori in view of the facts that the death rate from pneumonia and influenza is normally higher in the colored than in the white, and that the colored population live generally under conditions presumably more favorable to the spread of contact infections.

Domestic environment.—Data regarding the relation of case incidence to economic status have so far been analyzed only for Little Rock and San Antonio. Classifying the white populations canvassed in these two cities according to economic status, and adjusting the incidence rate in each group to a uniform sex- and age-distribution, the ratios of incidence in each group to incidence in the total white population of the respective cities are found to be as shown in the following summary:

Ratio of incidence rates in white persons of four economic groups to incidence in total white population. All rates adjusted to uniform sex and age distribution.

Group.	Ratio of incidence in each group to incidence in total white population.	
	Little Rock.	San Antonio.
Total white population.....	100	100
Well-to-do.....	92	93
Moderate.....	107	100
Poor.....	126	165
Very poor.....	114	103

Notwithstanding that the classification according to economic status is a very loose one, based solely on the judgment of inspectors with widely different standards, a considerably higher incidence is shown in the lower as compared to the higher economic groups. In both cities the group designated as "very poor" is quite small, so that the difference in incidence rate between this group and the group classed as "poor" is of little significance.

Only for Little Rock have our statistics been analyzed with reference to housing space. The following summary compares the incidence in white population groups, classified according to the number of rooms occupied per person in the household, to incidence in the total population, all rates having been adjusted to uniform age-and-sex distribution:

Housing classification.	Ratio to incidence in total white population.
Total, all classes (white).....	100
More than 1.5 rooms per person.....	97
1 to 1.5 rooms per person.....	94
Less than 1 room per person.....	117

As might be expected, the attack rate shows a consistent increase as the number of rooms per person decreases. This does not, of course, indicate that housing space *per se* is a factor of such relative importance in case incidence, since the groups distinguished on this basis are presumably not equivalent with respect to various other features of environment. However, these limited statistics at least suggest that the immediate domestic environment is a factor of some importance in the influenza attack rate, the tendency being toward a higher morbidity under the complex of conditions associated with relative poverty. If this tendency in the white population should prove on further analysis to be a general one, it still further emphasizes the difference already noted between the white and colored attack rates.¹

Case Fatality.

The case fatality, or ratio of deaths to total cases of influenza, varied in the localities surveyed from 3.1 per cent in New London to 0.8 per cent in San Antonio, the variations showing no consistent relation to incidence rates. There is, however, some relation to geographic location, namely, that the highest case-fatality rates occurred in New London, San Francisco, Baltimore, and minor Maryland communities, in the order named—that is, in communities representing, respectively, the northern half of the Atlantic seaboard and the Pacific coast. In the central and southern cities the case fatality was generally notably lower. Combining the eleven localities into three groups comprising, respectively—(1) San Francisco, (2) New London, Baltimore, and minor Maryland communities, (3) central and southern cities, comprising all other localities, the case-fatality rates in these three groups are, respectively, 2.33, 2.05, and 1.08 per cent. This is of interest in connection with the observation that from the standpoint of mortality rates the epidemic was generally more severe along the northern Atlantic Seaboard and the Pacific Coast than in the Central States.

Sex and age.—Variations in case fatality according to sex and age, in all localities combined, are shown in Figure 6. In males the fatality reached a high point in three age groups, namely, under 5, from 20 to 40, and over 60 years. In females the case fatality was correspondingly high in ages under 5 and over 60, relatively less high in the ages 20 to 40. Under the age of 15 and over the age of 60 the case fatality was consistently higher among females than among males; while between the ages of 15 and 60 the reverse was true, the difference being greatest between the ages of 20 and 40.

In most of the localities canvassed, the number of deaths included in our statistics is too small to permit of a fair comparison between

¹ Subsequent more detailed analyses of the statistics from the other cities canvassed have shown fairly consistent correlations between economic status and housing space, and case-incidence, as here noted for Little Rock and San Antonio.

males and females grouped according to five-year age-periods; hence, in order to test the consistency of variations in case fatality according to sex and age, statistics have been analyzed by sex and broad age-periods for four groups of localities as follows:

Group I. All localities combined;

Group II. New London, Baltimore, and minor Maryland communities, that is, all communities on the northern Atlantic seaboard;

Group III. Localities in the Southern and Central States;

Group IV. San Francisco.

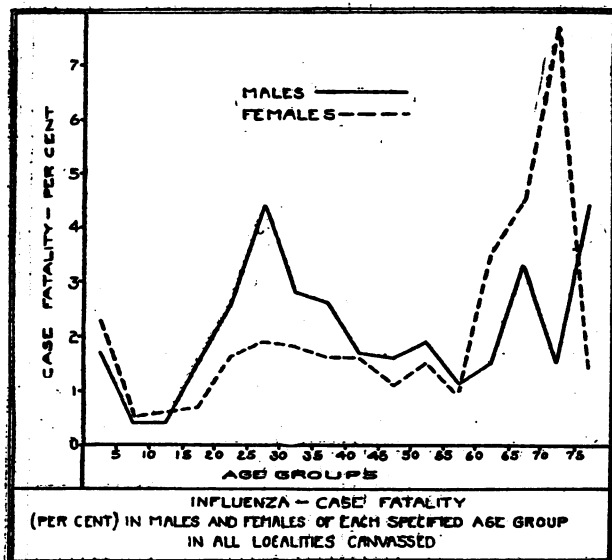


FIG. 6.

Figure 7 shows for these four groups the variations in case incidence, case fatality, and death rate in relation to sex and age. In all the groups the case incidence in persons over 15 years of age was higher in females than in males, this difference being consistent throughout except that in San Francisco in the age group 45 to 49 the incidence rates in the two sexes were approximately the same (males 131, females 132 per 1,000). *In persons under 15 the relative incidence as between males and females is variable, but with a very slight excess in males for all the localities combined.

The case fatality under 15 years of age was higher in females than in males in all groups except San Francisco; and over 60 years of age it was considerably higher among females in all four groups. On the other hand, between the ages of 15 and 60, the general tendency is to a much higher case fatality among males. With respect to case fatality between the ages of 15 and 45, the group of southern and central cities is in marked contrast to the other groups, the case fatality being remarkably low in both sexes and slightly higher in females than in males. In so far as these few localities and comparatively small figures may be considered a reliable index, they

suggest that in the South and Middle West where the epidemic was generally milder in respect of mortality than in the Northeast and far West, the essential difference was not in case incidence, but in case fatality, especially in persons from 15 to 45 years of age, and in the relatively low case fatality among young adult males.

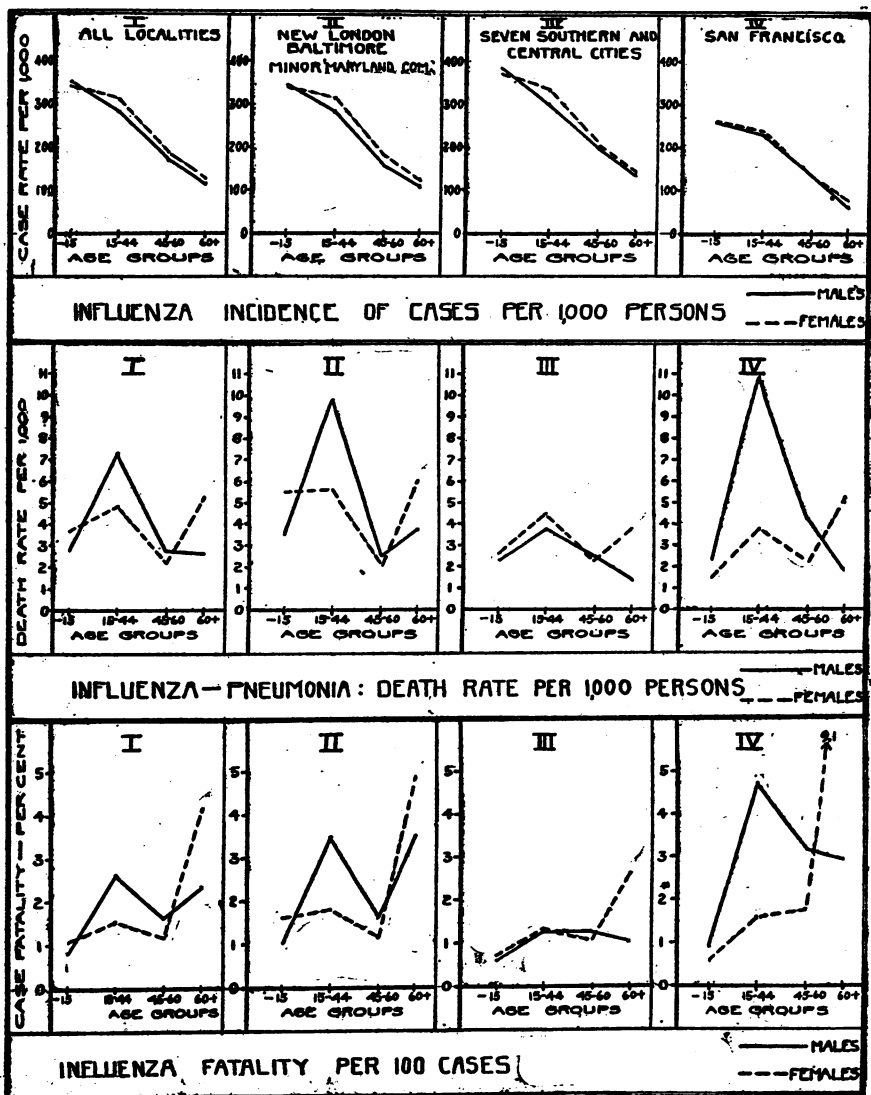


FIG. 7.

The death rates per 1,000 persons in each geographic, sex, and age group, as shown in Figure 6, are the resultant of two factors—case incidence and case fatality. It is evident, however, that the relative mortality in these various groups is determined more largely by case fatality, which varies within wider limits than does case incidence,

and so without a full and exact knowledge of the variations in case fatality, statistics of mortality are by no means translatable to terms of relative morbidity.

A further analysis of the remarkable differences in case fatality according to sex and age is presented in Figure 8, showing for males and females of each age group, for all localities combined, the incidence rate of pneumonia per 1,000 persons, and the ratio of deaths to pneumonia cases.

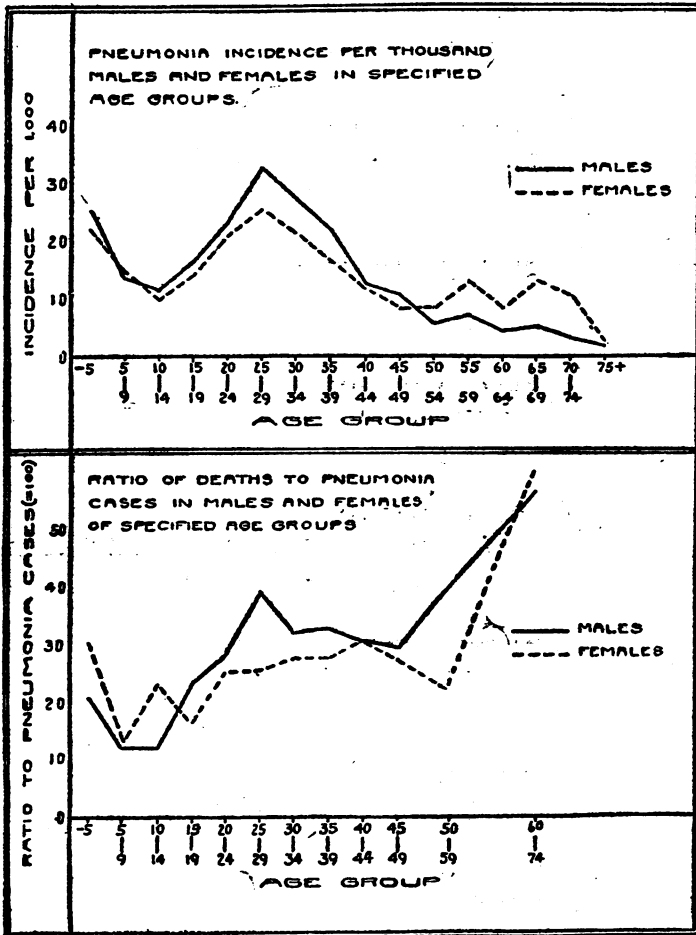


FIG. 8.

influenza case fatality in females from 15 to 60 years of age as compared to males, appears to be accounted for in part by a lesser incidence of pneumonia, and in part by a lower fatality of pneumonia cases. Indeed, the curves of pneumonia incidence and case fatality show a very striking parallelism with the curve of case fatality in relation to sex and age in general.

Color.—Comparing the white and colored populations in the seven localities where considerable numbers of colored persons were included in our canvass, the case fatality is found to have been gen-

erally higher among the colored, as shown in Figure 9. The number of deaths in some of the population groups is so small that no attempt has been made to adjust the case-fatality rates for differences between the races in sex- and age-distribution.

Summary.

As to the value of the statistics discussed above, they represent so few localities and such a small number of observations (130,033 persons, 36,365 cases, and 583 deaths) that, taken alone, they contribute

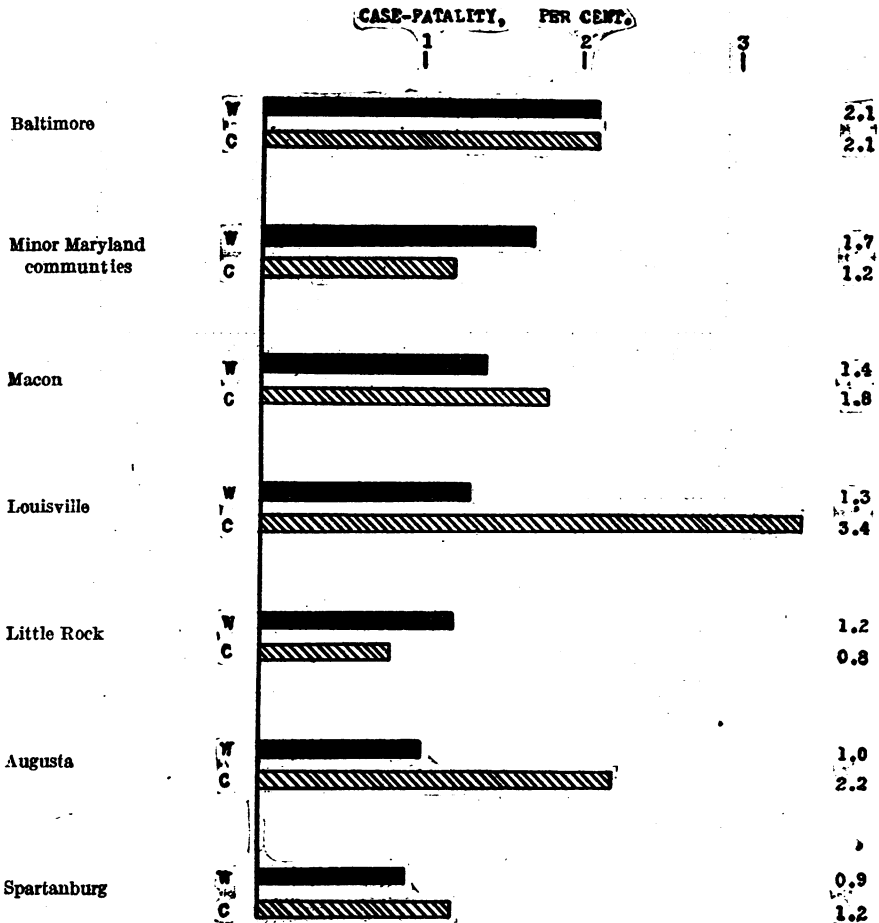


FIG. 9.—Influenza: Case-fatality (per cent) in white and colored persons, respectively, in seven localities.

little towards giving a picture of the epidemic in the country at large. Nevertheless, considered in connection with the far more extensive mortality statistics available elsewhere, they have a definite significance, for even though they do not suffice for the conversion of mortality statistics into terms of morbidity, they at least indicate in a general way some highly important relations between morbidity and mortality, relations which must be borne in mind in applying mortality statistics of the epidemic to various important purposes of epidemiology.

DEATHS DURING WEEK ENDED FEB. 28, 1920.

[From the "Weekly Health Index," Mar. 2, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended Feb. 28, 1920, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceeding years.

City.	Population July 1, 1918, estimated.	Week ended Feb. 28, 1920.		Average annual death rate per 1,000. ¹	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended Feb. 28, 1920.	Previous year or years. ²
Albany, N. Y.	112,565	58	26.9	C 21.8	5.2	C 14.9
Atlanta, Ga.	201,732	140	36.2	C 19.1	15.7	C 19.8
Baltimore, Md.	669,981	336	26.2	A 20.2	15.5	A 14.0
Birmingham, Ala.	197,670	123	32.4	A 18.7	14.6	A 12.5
Boston, Mass.	785,245	364	24.2	A 19.1	13.2	A 17.8
Buffalo, N. Y.	473,229	254	28.0	C 17.2	15.4	C 22.1
Cambridge, Mass.	111,432	45	21.1	A 16.1	17.8	A 16.7
Chicago, Ill.	2,596,681	733	14.7	A 17.4	17.3	A 18.7
Cincinnati, Ohio.	401,158	245	31.8	C 19.2	8.6	C 10.4
Cleveland, Ohio.	810,306	321	20.7	C 13.5	13.1	C 18.1
Columbus, Ohio.	225,296	120	27.8	C 13.9	8.3	C 10.0
Dayton, Ohio.	130,655	42	16.8	C 14.8	9.5	C 16.2
Denver, Colo.		123			9.8	
Detroit, Mich.		330			24.2	
Fall River, Mass.	128,392	49	16.2	C 15.8	27.5	C 28.2
Grand Rapids, Mich.	135,450	57	21.9	C 15.0	7.0	C 23.1
Indianapolis, Ind.	290,389	133	23.9	C 18.4	16.5	C 8.9
Jersey City, N. J.	318,770	98	16.0	C 15.5	20.4	C 21.1
Kansas City, Mo.	313,785	111	18.4	C 18.9	12.6	C 7.9
Los Angeles, Calif.	568,495	219	20.1	A 14.6	7.8	A 9.5
Louisville, Ky.	242,707	82	17.6	C 25.1	3.7	C 17.1
Lowell, Mass.	109,061	57	27.2	A 20.7	19.3	A 24.8
Memphis, Tenn.	154,759	107		C 27.6	13.1	C 13.4
Milwaukee, Wis.	453,481	118	13.6	A 14.4	19.5	A 22.9
Minneapolis, Minn.	383,442	93	12.6	C 12.1	5.4	C 11.2
Nashville, Tenn.	119,215	100	43.7	C 19.7	12.0	C 11.1
Newark, N. J.	428,684	152	18.5	C 19.9	20.4	C 16.5
New Haven, Conn.	154,865	73	24.6	C 21.9	15.1	C 23.1
New Orleans, La.	382,273	219	29.9	A 22.1	9.6	A 10.7
New York, N. Y.	5,215,879	1,824	18.2	C 17.9	16.6	C 14.7
Oakland, Calif.	214,206	71	17.3	A 11.7	8.5	A 10.3
Omaha, Nebr.	180,264	55	15.9	C 12.4	23.6	C 9.3
Philadelphia, Pa.	1,761,371	975	23.9	A 18.4	10.3	A 14.2
Pittsburgh, Pa.	593,303	349	30.7	C 19.5	17.2	C 16.7
Portland, Oreg.		115			7.0	C 13.2
Providence, R. I.	265,613	142	28.1	C 17.0	13.4	C 9.3
Richmond, Va.	160,719	65	21.1	C 23.4	7.7	C 12.6
Rochester, N. Y.	264,856	86	16.9	C 18.5	22.1	C 7.1
St. Louis, Mo.	779,951	256	17.1	C 17.6	7.4	C 14.8
St. Paul, Minn.	257,699	58	11.7	C 9.3	5.2	C 21.7
San Francisco, Calif.	478,530	213	23.2	C 18.4	4.2	C 7.1
Seattle, Wash.		126			7.1	A 11.9
Spokane, Wash.		39			2.6	C 11.5
Syracuse, N. Y.	161,404	60	19.4	C 16.2	11.7	C 14.0
Toledo, Ohio.	262,234	93	18.5	A 15.1	9.7	A 13.9
Washington, D. C.	437,414	147	17.5	A 20.5	12.2	A 10.4
Worcester, Mass.	173,650	82	24.6	C 15.9	18.3	C 28.6

¹ Annual rates per 1,000 estimated population.

² "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1917.

³ Population estimated as of July 1, 1919.

⁴ 1920 enumeration, subject to revision.

⁵ Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Feb. 28, 1920.

Policies in force.....	42,881,401
Number of death claims.....	15,236
Death claims per 1,000 policies in force, annual rate.....	18.6

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Mar. 6, 1920.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.		CONNECTICUT—continued.	
	Cases.		Cases.
Chicken pox.....	18	Influenza:	
Diphtheria.....	12	Fairfield County.....	120
Influenza.....	3,885	Hartford County.....	67
Measles.....	39	Litchfield County.....	41
Pneumonia (all forms).....	75	Middlesex County.....	11
Scarlet fever.....	11	New Haven County.....	99
Smallpox.....	48	New London County.....	86
Tuberculosis (pulmonary).....	13	Tolland County.....	3
Typhoid fever.....	2	Windham County.....	114
Whooping cough.....	10	Measles:	
		Fairfield County—	
ARKANSAS.		Rethel.....	8
Cerebrospinal meningitis.....	1	Redding.....	8
Chicken pox.....	42	Stamford.....	13
Diphtheria.....	8	Hartford County—	
Hookworm.....	5	Enfield.....	8
Influenza.....	2,576	Plainville.....	26
Malaria.....	105	Litchfield County—Winchester.....	24
Measles.....	19	New Haven County—	
Ophthalmia neonatorum.....	1	Ansonia.....	20
Pellagra.....	4	New Haven.....	45
Pneumonia.....	99	Waterbury.....	10
Scarlet fever.....	9	New London County—New London.....	17
Smallpox.....	29	Windham County—Ashford.....	15
Trachoma.....	4	Scattering.....	76
Tuberculosis.....	40	Mumps.....	26
Typhoid fever.....	1	Pneumonia.....	44
Whooping cough.....	70	Scarlet fever:	
CONNECTICUT.		Hartford County—	
Cerebrospinal meningitis:		Hartford.....	8
Killingly.....	1	New Britain.....	8
New Haven.....	1	New Haven County—	
Waterbury.....	1	Waterbury.....	19
Chicken pox.....	19	Scattering.....	35
Diphtheria:		Tuberculosis.....	26
Fairfield County—Greenwich.....	9	Whooping cough.....	38
Hartford County—Hartford.....	10		
New Haven County—New Haven.....	12		
Scattering.....	33		
German measles.....	5		
		DELAWARE.	
		Chicken pox.....	3
		Diphtheria.....	5

DELAWARE—continued.

Influenza:	Cases.
Farmington.....	8
Gumboro.....	8
Odessa.....	11
Scattering.....	23
Measles.....	102
Mumps.....	1
Pneumonia.....	20
Scarlet fever.....	2
Tuberculosis.....	2

FLORIDA.

Diphtheria.....	2
Dysentery.....	1
Influenza.....	580
Malaria.....	47
Pneumonia.....	24
Scarlet fever.....	1
Smallpox.....	2
Typhoid fever.....	3

GEORGIA.

Cerebrospinal meningitis.....	4
Chicken pox.....	10
Conjunctivitis (acute infectious).....	5
Diphtheria.....	6
Influenza.....	3,677
Malaria.....	7
Measles.....	9
Mumps.....	19
Pneumonia.....	157
Scarlet fever.....	6
Septic sore throat.....	6
Smallpox.....	32
Tetanus.....	1
Tuberculosis (pulmonary).....	14
Whooping cough.....	36

ILLINOIS.

Cerebrospinal meningitis.....	4
Diphtheria:	
Chicago.....	136
Scattering.....	35
Influenza:	
Chicago.....	321
Scattering.....	1,023
Lethargic encephalitis.....	3
Pneumonia:	
Chicago.....	196
Scattering.....	63
Polomyelitis:	
Des Plaines.....	1
Scarlet fever:	
Chicago.....	333
Scattering.....	107
Smallpox:	
Chicago.....	9
Scattering.....	46
Typhoid fever.....	8

INDIANA.

Cerebrospinal meningitis:	
DeKalb County.....	1
Diphtheria:	
Lake County.....	7
Scattering.....	22

INDIANA—continued.

Influenza:	Cases.
Clay County.....	114
Grant County.....	109
Greene County.....	211
Orange County.....	57
Putnam County.....	65
Scattering.....	733

Measles:

Bartholomew County.....	36
DeKalb County.....	11
Delaware County.....	59
Grant County.....	16
Greene County.....	59
Lake County.....	50
Lawrence County.....	17
Marion County.....	182
Steuben County.....	35
Tippecanoe County.....	25
Vigo County.....	31
Wayne County.....	27

Rabies in animal.....	1
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Scarlet fever:

Elkhart County.....	22
Jasper County.....	9
Kosciusko County.....	8
Lake County.....	12
Marion County.....	16
Putnam County.....	7
Scattering.....	83

Smallpox:

Clay County.....	20
Grant County.....	12
Howard County.....	27
Marion County.....	8
Vigo County.....	9
Warren County.....	7
White County.....	10
Typhoid fever.....	11

IOWA.

Chicken pox.....	4
Diphtheria.....	15

Influenza:

Davis County.....	7
Deep River.....	10
Keokuk County.....	8
Kossuth County.....	12
Wayne County.....	12
Scattering.....	37

Measles.....	6
Mumps.....	3

Scarlet fever:

Council Bluffs.....	11
Scattering.....	44

Smallpox:

Davenport.....	15
Waterloo.....	52
Scattering.....	32
Whooping cough.....	4

LOUISIANA.

Cerebrospinal meningitis.....	3
Diphtheria.....	6
Influenza.....	2,541
Pneumonia.....	72

LOUISIANA—continued.

	Cases.
Scarlet fever.....	10
Smallpox.....	55
Typhoid fever.....	5
MAINE.	
Chicken pox.....	9
Diphtheria.....	7
Influenza:	
Kennebunk.....	60
Madison.....	88
Mapleton.....	103
Presque Isle.....	50
Standish.....	49
Vinal Haven.....	184
Westfield.....	60
Scattering.....	536
Measles.....	4
Mumps.....	30
Pneumonia.....	37
Scarlet fever.....	17
Smallpox.....	5
Tuberculosis.....	22
Typhoid fever.....	6
Whooping cough.....	14

MARYLAND.¹

Chicken pox.....	82
Diphtheria.....	51
Dysentery.....	1
German measles.....	7
Influenza.....	2,052
Lethargic encephalitis.....	1
Measles.....	336
Meningitis.....	6
Mumps.....	29
Ophthalmia neonatorum.....	1
Pneumonia (all forms).....	261
Scarlet fever.....	106
Septic sore throat.....	2
Smallpox.....	14
Tuberculosis.....	42
Typhoid fever.....	5
Whooping cough.....	22

MASSACHUSETTS.

Cerebrospinal meningitis.....	4
Chicken pox.....	103
Conjunctivitis (suppurative).....	4
Diphtheria.....	122
German measles.....	20
Influenza.....	1,144
Measles.....	680
Mumps.....	205
Ophthalmia neonatorum.....	28
Pneumonia (lobar).....	206
Polioomyelitis.....	3
Scarlet fever.....	215
Septic sore throat.....	3
Trachoma.....	7
Tuberculosis (all forms).....	146
Typhoid fever.....	5
Whooping cough.....	230

MINNESOTA.

Cerebrospinal meningitis.....	1
Polioomyelitis.....	1
Smallpox.....	15

MONTANA.

	Cases.
Diphtheria.....	4
Influenza.....	514
Pneumonia.....	14
Scarlet fever.....	32
Smallpox.....	17

NEBRASKA.

Cerebrospinal meningitis.....	4
Chicken pox.....	9
Diphtheria.....	12
Influenza.....	2,007
Measles:	
Clay Center.....	7
Fremont.....	9
Lincoln.....	40
Omaha.....	27
Scattering.....	25
Mumps.....	21
Scarlet fever:	
Lincoln.....	9
Omaha.....	40
Scattering.....	34
Smallpox:	
Brownville.....	13
Buffalo County.....	13
Franklin County.....	11
Fremont.....	12
Lincoln.....	25
Nemaha.....	8
Omaha.....	16
Scotts Bluff.....	9
Valley County.....	8
Scattering.....	51
Tuberculosis.....	4
Typhoid fever.....	1
Whooping cough.....	13

NEW JERSEY.

Influenza.....	764
Pneumonia.....	302

NEW MEXICO.

Chicken pox.....	17
Diphtheria.....	3
Influenza.....	186
Malaria.....	1
Measles.....	41
Mumps.....	19
Pellagra.....	1
Pneumonia.....	16
Scarlet fever.....	9
Smallpox:	
Clovis.....	7
Scattering.....	11
Trachoma.....	1
Tuberculosis.....	30
Whooping cough.....	5

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis:	
Ithaca.....	1
Lackawanna.....	1
Sodus.....	1
Diphtheria.....	177

¹ Week ended Friday.

NEW YORK—continued.

	Cases.
Influenza.....	4,030
Measles.....	317
Pneumonia.....	325
Scarlet fever.....	149
Smallpox:	
Brookport.....	8
Scattering.....	6
Typhoid fever.....	11
Whooping cough.....	157

NORTH CAROLINA.

Cerebrospinal meningitis.....	6
Chicken pox.....	62
Diphtheria.....	19
Measles.....	68
Pneumonia (all forms).....	251
Scarlet fever.....	32
Septic sore throat.....	5
Smallpox.....	104
Typhoid fever.....	3
Whooping cough.....	165

OHIO.

Diphtheria:	
Cuyahoga County—Breckville Township.....	6
Scarlet fever:	
Akron.....	91
Cincinnati.....	59
Columbus.....	55
Dover.....	6
Warren.....	10
Smallpox:	
Steubenville.....	6

VERMONT.

Chicken pox.....	6
Diphtheria.....	1
Influenza.....	481
Measles.....	96
Mumps.....	110
Pneumonia.....	46
Scarlet fever.....	10
Whooping cough.....	30

WASHINGTON.

	Cases.
Chicken pox.....	37
Diphtheria.....	5
Influenza.....	1,06
Measles.....	72
Mumps.....	40
Pneumonia.....	102
Scarlet fever.....	52
Smallpox.....	170
Tuberculosis.....	2
Typhoid fever.....	2
Whooping cough.....	40

WEST VIRGINIA.

Diphtheria.....	14
Measles:	
Moundsville.....	14
Wheeling.....	38
Scattering.....	17
Scarlet fever.....	15
Smallpox.....	12
Typhoid fever.....	3

MILWAUKEE: WISCONSIN.

Chicken pox.....	25
Diphtheria.....	24
German measles.....	3
Influenza.....	7
Measles.....	37
Scarlet fever.....	34
Smallpox.....	15
Tuberculosis.....	23
Typhoid fever.....	1
Whooping cough.....	49
Scattering:	
Chicken pox.....	22
Diphtheria.....	20
German measles.....	3
Influenza.....	937
Measles.....	316
Scarlet fever.....	75
Smallpox.....	60
Tuberculosis.....	3
Typhoid fever.....	2
Whooping cough.....	61

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing, by counties, the reported cases of cerebrospinal meningitis, influenza, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

The following monthly State reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
JANUARY, 1920.										
California.....	16	679	9,522	29	4,369	.....	4	618	457	56
Colorado.....	2	43	5,534	.....	102	.....	.....	120	335	2
Iowa.....	5	117	4,848	.....	.....	.....	1	252	446	.....
Maine.....	.....	45	517	.....	50	.....	.....	185	84	31
Massachusetts.....	29	939	5,076	4	3,999	.....	2	1,712	.....	63
Montana.....	1	19	1,603	.....	45	.....	.....	184	100	10
New Jersey.....	13	805	8,570	4	2,899	.....	1	594	13	28
Oregon.....	.....	44	1,345	.....	44	.....	.....	125	801	9
South Dakota.....	2	18	.....	.....	62	.....	1	192	73	6
Virginia.....	4	243	.....	132	598	10	9	263	470	54
Wisconsin.....	12	233	11,263	.....	1,206	.....	1	574	748	19

ANTHRAX.**New Jersey and Pennsylvania.**

During January, 1920, three cases of anthrax were reported in New Jersey. During the week ended February 21, 1920, one case was reported at Philadelphia, Pa.

CEREBROSPINAL MENINGITIS.**State Reports for January, 1920.**

Place.	New cases reported.	Place.	New cases reported.
California:		Massachusetts—Continued.	
Alameda County—		Norfolk County—	
Oakland.....	1	Quincy.....	1
Los Angeles County—		Westwood (town).....	1
Los Angeles.....	4	Suffolk County—	
Orange County—		Boston.....	4
Orange.....	1	Chelsea.....	1
Sacramento County—		Worcester County—	
Sacramento.....	2	Worcester.....	3
San Francisco.....	3	Total.....	29
San Joaquin County—			
Stockton.....	1	Montana:	
Santa Clara County—		Silver Bow County—	
Palo Alto.....	1	Butte.....	1
Solano County—			
Mare Island.....	1	New Jersey:	
Stanislaus County—		Essex County.....	6
Newman.....	1	Hudson County.....	1
Tulare County—		Mercer County.....	1
Tulare.....	1	Middlesex County.....	1
Total.....	16	Passaic County.....	1
		Salem County.....	1
Colorado:		Union County.....	2
Denver.....	1	Total.....	13
Pueblo.....	1		
Total.....	2	South Dakota:	
		Codington County.....	1
Iowa:		Clark County.....	1
Boone County.....	1	Total.....	2
Dubuque County.....	1		
Jasper County.....	2	Virginia:	
Linn County.....	1	Henrico County—	
Total.....	5	Richmond.....	1
Massachusetts:		Norfolk County—	
Berkshire County—		Norfolk.....	1
North Adams.....	1	Northampton County—	
Bristol County—		Cape Charles.....	1
Fall River.....	2	Pittsylvania County.....	1
New Bedford.....	1	Total.....	4
Essex County—			
Beverly.....	1	Wisconsin:	
Lynn.....	1	Brown County.....	1
Peabody.....	1	Dunn County.....	1
Hampden County—		Marathon County.....	1
Chicopee.....	1	Milwaukee County.....	3
Ludlow (town).....	1	Outagamie County.....	1
Springfield.....	3	Total.....	12
Middlesex County—			
Cambridge.....	2		
Concord (town).....	1		
Lowell.....	4		

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.	1	1	New Orleans, La.	1	1
Birmingham, Ala.	1	1	New York, N. Y.	9	5
Boston, Mass.	4	1	Oakland, Calif.	1	1
Brookline, Mass.	1	1	Oklahoma City, Okla.	1	1
Buffalo, N. Y.	1	1	Pawtucket, R. I.	1	1
Butte, Mont.	1	1	Philadelphia, Pa.	1	1
Cambridge, Mass.	1	1	Pittsburgh, Pa.	1	1
Chicago, Ill.	4	1	Portland, Oreg.	1	1
Detroit, Mich.	1	1	Providence, R. I.	1	1
East Orange, N. J.	1	1	Pueblo, Colo.	1	1
Flint, Mich.	1	1	Saginaw, Mich.	1	1
Kansas City, Kans.	1	1	St. Paul, Minn.	1	1
Keene, N. H.	1	1	Salt Lake City, Utah	1	1
Lawrence, Kans.	1	1	San Francisco, Calif.	2	2
Milwaukee, Wis.	1	2	Superior, Wis.	1	1
New Bedford, Mass.	1	1	Toledo, Ohio.	1	1
New Haven, Conn.	1	1	Wausau, Wis.	1	1

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 599; Monthly summaries by States, p. 602; and Weekly reports from cities, p. 624.

INFLUENZA.

California Report for January, 1920.

Place.	New cases reported.	Place.	New cases reported.
California:		California—Continued.	
Alameda County.....	129	Glenn County.....	4
Alameda.....	286	Orland.....	40
Albany.....	26	Willows.....	46
Berkeley.....	449	Humboldt County.....	8
Hayward.....	17	Arcata.....	2
Livermore.....	101	Blue Lake.....	16
Oakland.....	518	Eureka.....	4
Piedmont.....	18	Ferndale.....	10
Pleasanton.....	36	Imperial County—	
San Leandro.....	32	Calxico.....	29
Amador County—		Holtville.....	8
Amador City.....	3	Imperial.....	82
Jackson.....	2	Kern County.....	242
Sutter Creek.....	1	Bakersfield.....	153
Butte County.....	18	Maricopa.....	9
Chico.....	60	Taft.....	27
Gridley.....	3	Tehachapi.....	2
Contra Costa County.....	107	Kings County.....	68
Antioch.....	69	Corcoran.....	5
Concord.....	2	Hanford.....	95
El Cerrito.....	7	Lemoore.....	24
Hercules.....	21	Lake County.....	14
Martinez.....	67	Los Angeles County.....	40
Pinole.....	11	Alhambra.....	2
Pittsburg.....	37	Arcadia.....	2
Richmond.....	255	Azusa.....	4
Walnut Creek.....	9	Burbank.....	7
Del Norte County.....	10	Compton.....	2
Crescent City.....	1	Glendale.....	1
El Dorado County—		Glendora.....	1
Placerville.....	9	Hermosa Beach.....	5
Fresno County.....	323	Huntington Beach.....	1
Clovis.....	62	Inglewood.....	7
Coalinga.....	12	Long Beach.....	11
Firebaugh.....	8	Los Angeles.....	359
Fowler.....	14	Monrovia.....	6
Fresno.....	549	Pasadena.....	76
Kingsburg.....	72	Pomona.....	4
Reedley.....	20	San Gabriel.....	1
Sanger.....	4	Santa Monica.....	20
Selma.....	31	Sierra Madre.....	16

INFLUENZA—Continued.

California Report for January, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
California—Continued.		California—Continued.	
Los Angeles County—Continued.		San Joaquin County—Continued.	
South Pasadena.....	1	Stockton.....	160
Venice.....	1	Tracy.....	23
Madera County—		San Luis Obispo County—	
Madera.....	5	Arroyo Grande.....	39
Marin County—		San Luis Obispo.....	1
Corte Madera.....	1	San Mateo County.....	9
San Rafael.....	1	Burlingame.....	48
Mariposa County.....	2	Daly City.....	27
Yosemite.....	5	Redwood City.....	8
Mendocino County—		San Bruno.....	19
Fort Bragg.....	1	San Mateo.....	16
Ukiah.....	4	South San Francisco.....	8
Willits.....	2	Santa Barbara County.....	27
Merced County.....	137	Lompoc.....	1
Los Banos.....	58	Santa Barbara.....	6
Merced.....	50	Santa Clara County.....	208
Modoc County—		Gilroy.....	60
Alturas.....	2	Los Gatos.....	8
Monterey County.....	20	Mayfield.....	2
King City.....	4	Mountain View.....	4
Monterey.....	6	Palo Alto.....	20
Salinas.....	1	San Jose.....	189
Napa County.....	3	Santa Clara.....	29
Calistoga.....	8	Santa Cruz County.....	9
Napa.....	2	Santa Cruz.....	1
St. Helena.....	5	Watsonville.....	12
Nevada County.....	2	Shasta County.....	8
Grass Valley.....	28	Redding.....	5
Nevada City.....	4	Sierra County—	
Orange County.....	11	Loyalton.....	2
Anaheim.....	6	Siskiyou County—	
Brea.....	4	Dunsmuir.....	2
Huntington Beach.....	2	Yreka.....	6
Santa Ana.....	15	Solano County.....	13
Seal Beach.....	1	Benicia.....	3
Placer County.....	12	Dixon.....	8
Lincoln.....	2	Vacaville.....	4
Rocklin.....	1	Vallejo.....	147
Plumas County.....	11	Sonoma County.....	32
Riverside County.....	3	Healdsburg.....	63
Banning.....	18	Santa Rosa.....	27
Beaumont.....	37	Sebastopol.....	1
Blythe.....	25	Stanislaus County.....	136
Ferris.....	3	Modesto.....	9
Riverside.....	3	Newman.....	8
Sacramento County.....	26	Oakdale.....	31
Sacramento.....	332	Turlock.....	13
San Benito County—		Sutter County.....	6
Hollister.....	14	Tehama County.....	47
San Bernardino County.....	2	Corning.....	14
Chino.....	3	Red Bluff.....	50
Colton.....	12	Los Molinos.....	9
Needles.....	9	Tulare County.....	157
Ontario.....	31	Dinuba.....	15
Redlands.....	4	Exeter.....	14
San Bernardino.....	34	Lindsay.....	22
Upland.....	5	Porterville.....	3
San Diego County.....	14	Tulare.....	94
Coronado.....	1	Tuolumne County.....	7
East San Diego.....	40	Ventura County.....	45
Escondido.....	1	Oxnard.....	1
National City.....	24	Santa Paula.....	1
Oceanside.....	3	Ventura.....	11
San Diego.....	127	Yolo County.....	57
Camp Kearny.....	3	Davis.....	17
San Francisco.....	1,019	Woodland.....	82
U. S. Marine Hospital.....	12	Yuba County.....	14
San Joaquin County.....	164	Marysville.....	3
Lodi.....	91		
Manteca.....	78	Total.....	9,522

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920.

Place.	Cases, week ended—				Deaths, week ended—			
	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Adams, Mass.	50				1			
Akron, Ohio.	251	18	6					
Alameda, Calif.	201	160	216		9	2	2	
Alliance, Ohio.	96		1					
Alpena, Mich.	9		1					
Alton, Ill.	116	39	18		14	3	1	
Amesbury, Mass.	97	39	38				1	
Anaconda, Mont.	5						1	
Ann Arbor, Mich.	82	78	4	9				
Anniston, Ala.	67	65	44	15				
Ansonia, Conn.	215	110	9	4				
Appleton, Wis.		9						
Arlington, Mass.		30				2		
Asbury Park, N. J.	28	6					1	
Ashland, Ky.	253	258	93	35				
Ashtabula, Ohio.	38	25	12		4	6	5	
Atlanta, Ga.	2,258	1,427		237	50	74	50	27
Atlantic City, N. J.	39	22	15	8		1	1	
Attleboro, Mass.	29	15	1		1			
Auburn, Me.	33	47	9			3	4	
Auburn, N. Y.	56	18	3					
Austin, Tex.					2	1		
Baltimore, Md.	4,530	1,614	655	369	73	75	36	24
Bangor, Me.	193	85	104	6				
Barberton, Ohio.					2	1		
Barre, Vt.	1	3	1					
Battle Creek, Mich.	40	4	6	1				
Bayonne, N. J.	77	31	3	3				
Beatrice, Nebr.	16		5					
Beaumont, Tex.	74			1	1		2	1
Bedford, Ind.	6	2					1	
Bellefonte, N. J.	29	1	8					
Beloit, Wis.		7	1					
Benton Harbor, Mich.		2						
Berkeley, Calif.	347	259			8	2		
Beverly, Mass.	66	15	19		1	2		
Biddford, Me.	76		8	1	1		1	1
Billings, Mont.	8		1		1			
Binghamton, N. Y.	445	205	67		2	5	9	
Birmingham, Ala.		444	464	103	6	27	31	35
Bloomfield, N. J.	12	3	1		1	1		
Bloomington, Ill.	80		32		1	2	1	2
Bloomington, Ind.	52	21	40				2	
Bluefield, W. Va.	137	81	23			1		
Boise, Idaho.	53		3					
Boston, Mass.	2,113	760	450		139	106	73	
Brazil, Ind.	157	116	84	28				2
Bridgeport, Conn.	437	287	130	48	24	19	20	7
Bristol, Conn.	158	46	5		1	1		
Brockton, Mass.	45	8	9		4	1	2	
Brookline, Mass.	72	33	6	4	4	1		
Brunswick, Ga.	44	92	86	95			1	3
Buffalo, N. Y.	1,333		206		81		36	
Burlington, Iowa.	28	5	3	2	2	1	2	
Burlington, Vt.	12	24	11		3		1	
Butler, Pa.	58	52	25				1	
Butte, Mont.	66	10			2			
Cadillac, Mich.	75	200				3		
Cairo, Ill.	105	112	79			2		
Cambridge, Mass.	600	183	74	29	12	9	3	1
Canton, Ill.					9	6		3
Canton, Ohio.	53	25			19	3	4	
Cape Girardeau, Mo.		115	11					
Cedar Rapids, Iowa.	14	2						
Centralia, Ill.	19	11	2					
Chanute, Kans.	421	322	30			1		
Charleston, S. C.	1,208	759	655	46	16	33	4	5
Charleston, W. Va.	210	35	8	3				
Charlotte, N. C.	393	123	32	9	4	7	12	
Chattanooga, Tenn.	181	106	94		3	14	3	
Chelsea, Mass.	116	31	9			2		
Cheyenne, Wyo.	1	1			1	1		
Chicago, Ill.	1,741	597	394	321	240	127	66	51
Chicopee, Mass.	5	17	2		1			
Chillicothe, Ohio.		57	9	4				
Cincinnati, Ohio.	456	334	365	165	33	41	58	41

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920—Continued.

Place.	Cases, week ended—				Deaths, week ended—			
	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Cleveland, Ohio.....	1,064	483	143	72	151	102	54	24
Clinton, Mass.....	25	29	38				3	
Coffeyville, Kans.....	118	103	59	27	1			
Cohoes, N. Y.....	107	60	12	12				
Columbia, S. C.....	387	168	95	31				
Columbus, Ga.....	351	192		11	3	7		1
Columbus, Ohio.....	702	160	35		68	49	29	
Corpus Christi, Tex.....	114	28	155	53				
Corland, N. Y.....	32	27	8					
Coshocton, Ohio.....	132	172	13					
Cornell Bluffs, Iowa.....	2		2		5	3		
Covington, Ky.....	93	103	111	66	1	7	1	
Cranston, R. I.....	16	8	6			3	1	
Cumberland, Md.....	408	252	135	33	6	4	2	3
Dallas, Tex.....	818	207	160		22	17	7	
Danbury, Conn.....		17	42					
Danvers, Mass.....	35	17						
Danville, Ill.....	800	286	20	10	5		2	
Danville, Va.....			348	123			7	6
Davenport, Iowa.....	18	4		1				
Dayton, Ohio.....	5	3	3	1	5	16	3	
Decatur, Ill.....	82	15	4		5	2		
Denver, Colo.....	62	141			81	32	17	
Detroit, Mich.....	232	36	18		185	55	23	
Dover, N. H.....	59	31	16					
Du Bois, Pa.....	150	140	43			1		
Dubuque, Iowa.....	51	2	2			2		
Duluth, Minn.....	223	35	5		24	9	4	
Durham, N. C.....						4	4	
East Chicago, Ind.....					3	1	1	
East Cleveland, Ohio.....		1						
Easthampton, Mass.....	22							
Easton, Pa.....							1	
East Orange, N. J.....	117	22	14		2	1		
East Providence, R. I.....	2							
East St. Louis, Ill.....	111	29	12		6	7	2	
Eau Claire, Wis.....		74	12					
Elgin, Ill.....	3		2		1	2		
Elizabeth, N. J.....		3	8	2		7	9	1
Elkhart, Ind.....	6			3				
Elmira, N. Y.....	9	21	2			11		
El Paso, Tex.....					8	14	11	8
Englewood, N. J.....		1				1		
Erie, Pa.....	985	236	50	10	29	25	12	3
Eureka, Calif.....	8	40	134				1	
Evanston, Ill.....	10	7	1					
Everett, Mass.....	39	38		4	5	1		
Everett, Wash.....	172							
Fairmont, W. Va.....	594	435	141	2	1	8		
Fall River, Mass.....	197	31	47	32	6	11	9	5
Fargo, N. Dak.....		14	4					
Findlay, Ohio.....	294	200	147	113				
Flint, Mich.....	26				5			
Fond du Lac, Wis.....		5						
Fort Dodge, Iowa.....	14	2						
Fort Smith, Ark.....		138						
Fort Worth, Tex.....		3	4		5	3	4	
Fostoria, Ohio.....	13		4	4				
Framingham, Mass.....	47	48	20		2	2	4	
Freeport, Ill.....	5	12			8	2		
Fremont, Ohio.....	2		2	1				
Galesburg, Ill.....	61	15	4		2	1		
Galveston, Tex.....	342	72	4	2	2		1	1
Gardner, Mass.....		12	31	2		3	2	
Gary, Ind.....					8	2	1	2
Grand Rapids, Mich.....	432	152	70		5	4	2	
Granite City, Ill.....	35	14	2		1			
Great Falls, Mont.....	113	193	128			12	8	
Green Bay, Wis.....		6						
Greenfield, Mass.....	36	23	9		1		1	1
Greensboro, N. C.....						13	4	
Greenwich, Conn.....	44	47	19		4	3	2	
Hackensack, N. J.....	25	29	23					
Hammond, Ind.....					2	2	3	
Harrison, N. J.....	2	1	3	1				
Hartford, Conn.....	116	27			32	19		
Haverhill, Mass.....	543	208	57	22	10	2	3	3

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920—Continued.

Place.	Cases, week ended—				Deaths, week ended—			
	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Hibbing, Minn.	245	35				1		
Highland Park, Mich.	58	18	4					
Hoboken, N. J.	4	3			3			
Holland, Mich.	10				1			
Holyoke, Mass.	31	24	7		1	1	1	
Hoquiam, Wash.		200						
Hot Springs, Ark.	211							
Houston, Tex.	387				7			
Hudson, N. Y.						1	3	
Huntington, Ind.	1				1			
Huntington, W. Va.	584	91	75		1			7
Hutchinson, Kans.	39		4	5				
Independence, Mo.	6	2	2		16	2	1	
Indianapolis, Ind.	211	76	8	16	124	38	26	18
Iowa City, Iowa	200	30			4			
Ironton, Ohio	47	12	88					
Ironwood, Mich.	199	219	75		4	9	7	
Ishpeming, Mich.	34	47	30			2		
Ithaca, N. Y.	291	68	19		1	2	1	
Jamestown, N. Y.	274	104	17					
Janesville, Wis.		5						
Jefferson City, Mo.					1			
Jersey City, N. J.	69	20	2	4				
Joplin, Mo.	40	14	8					
Kalamazoo, Mich.	298	87		18	4	3	1	2
Kankakee, Ill.	22				3	1		
Kansas City, Kans.	290	41	21	8				
Kansas City, Mo.	191	55	13		90	40	20	
Kearny, N. J.	69	39	24	7				
Keene, N. H.			37	13	2			1
Kenosha, Wis.		32	25					
Knoxville, Tenn.	622	200	123	49	29	23	17	
Kokomo, Ind.							1	
Lackawanna, N. Y.	194	76	82		2			
La Crosse, Wis.	80		1					
La Fayette, Ind.	55	4	9			4	1	
Lake Charles, La.	257	160	201			1	2	
Lancaster, Ohio	60	8	3				1	
Lancaster, Pa.	45	9		1				
La Salle, Ill.	29	7	2		7	3	1	
Lawrence, Kans.	143	85	34					
Lawrence, Mass.	108	64	12		3	5	2	
Leavenworth, Kans.	109	14	11					
Leominster, Mass.	106	45	35		1	1		
Lexington, Ky.	97	80	55		1	2	3	3
Lima, Ohio	197	14	7		4	6	2	
Lincoln, Nebr.	4			2	8	3		
Lincoln, R. I.	17	11						
Little Rock, Ark.	610		66			1		
Lockport, N. Y.	175	71	2	2	4			1
Logansport, Ind.						2	2	
Long Beach, Calif.		95	30			1	2	
Lorain, Ohio	80	39	6	3		1	1	
Los Angeles, Calif.	2,563	1,683	750		12	8	8	
Louisville, Ky.	432	172	112		5	3	5	
Lowell, Mass.	407	340	102	59		6	7	2
Ludington, Mich.	74		2					
Lynchburg, Va.	306	127	58	5	8	5	9	3
Lynn, Mass.	280	137	67		26	10	13	
McKeesport, Pa.	20				4	4	1	
Macon, Ga.	45	29	9			3	2	
Madison, Wis.		18						
Malden, Mass.	315	143	40		10	3	8	
Manchester, Conn.	59	6						
Manchester, N. H.	104	61	21		12	5	7	
Manitowoc, Wis.		15	7					
Mankato, Minn.	6	2			2			
Marinette, Wis.		2						
Marion, Ind.	56	44	17		2	3	1	
Marion, Ohio		4						
Marquette, Mich.	236	80	45			2	2	
Martins Ferry, Ohio	40	30			2	4		
Mason City, Iowa	5							
Mattoon, Ill.	36		3					
Medford, Mass.	82	39	5	10	2	2	1	1
Melrose, Mass.	40	2	1		4	1	1	

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920—Continued.

Place.	Cases, week ended—				Deaths, week ending—			
	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Memphis, Tenn.	1,085	337	178	.....	22	13	9	.....
Meriden, Conn.	270	103	79	.....	.....	.....	.....	.....
Methuen, Mass.	32	27	16	.....	.....	.....	.....	.....
Middletown, N. Y.	156	126	99	16	.....	.....	.....	.....
Milwaukee, Wis.	.....	27	12	.....	.....	.....	.....	.....
Minneapolis, Minn.	149	71	28	.....	95	38	8	.....
Mishawaka, Ind.	.....	.....	.....	.....	1	.....	1	.....
Missoula, Mont.	141	32	15	.....	2	.....	.....	.....
Mobile, Ala.	675	482	180	.....	10	9	11	.....
Monmouth, Ill.	20	36	.....	.....	1	1	.....	.....
Montgomery, Ala.	99	126	122	47	1	3	3	12
Morgantown, W. Va.	281	123	72	31	.....	.....	.....	.....
Morristown, N. J.	31	7	.....	.....	.....	.....	.....	.....
Moundsville, W. Va.	62	19	.....	.....	.....	.....	.....	.....
Mount Vernon, N. Y.	183	51	.....	.....	.....	1	.....	.....
Muncie, Ind.	9	.....	.....	.....	3	.....	2	.....
Muscatine, Iowa.	.....	.....	.....	.....	2	.....	.....	.....
Nanticoke, Pa.	.....	1	.....	.....	.....	.....	.....	.....
Nashua, N. H.	124	116	60	.....	1	1	.....	.....
Nashville, Tenn.	182	134	153	153	10	34	50	24
Newark, N. J.	1,498	25	.....	.....	52	.....	.....	.....
New Bedford, Mass.	289	201	77	17	.....	1	1	.....
New Britain, Conn.	462	178	51	25	13	14	8	6
New Brunswick, N. J.	85	10	14	.....	.....	.....	.....	.....
Newburgh, N. Y.	.....	.....	1	.....	.....	.....	1	.....
Newburyport, Mass.	48	12	14	9	.....	.....	.....	.....
New Haven, Conn.	190	163	72	42	37	34	14	12
New London, Conn.	119	47	18	.....	.....	.....	.....	.....
New Orleans, La.	782	478	529	261	17	31	37	27
Newport, R. I.	905	313	.....	8	9	5	.....	8
Newton, Mass.	58	.....	6	4	7	.....	1	.....
New York, N. Y.	8,091	3,080	1,099	.....	731	360	151	.....
Niagara Falls, N. Y.	358	170	66	.....	6	2	4	.....
Norfolk, Va.	241	74	33	.....	2	2	2	.....
North Adams, Mass.	76	62	52	11	2	2	.....	8
Northampton, Mass.	34	19	4	2	1	1	.....	.....
North Little Rock, Ark.	.....	46	11	17	.....	.....	.....	.....
North Tonawanda, N. Y.	107	100	20	17	2	.....	.....	.....
Norfolk, Conn.	9	.....	.....	1	3	1	1	.....
Norwich, Conn.	59	30	1	.....	10	1	.....	.....
Norwood, Ohio.	3	.....	3	.....	.....	.....	2	.....
Oakland, Calif.	.....	378	172	.....	.....	.....	19	.....
Oak Park, Ill.	11	2	4	3	3	.....	.....	.....
Oklahoma City, Okla.	44	38	3	.....	12	5	8	.....
Olean, N. Y.	43	.....	.....	.....	.....	.....	.....	.....
Omaha, Nebr.	30	6	4	.....	29	13	.....	.....
Orange, N. J.	58	25	10	8	1	2	1	.....
Oshkosh, Wis.	24	9	3	.....	1	.....	.....	.....
Paducah, Ky.	123	54	49	23	.....	.....	.....	.....
Parkersburg, W. Va.	39	19	12	.....	6	.....	1	1
Parsons, Kans.	114	.....	5	.....	.....	.....	.....	.....
Pasadena, Calif.	165	81	26	.....	.....	.....	.....	.....
Passaic, N. J.	139	76	26	.....	2	2	2	.....
Paterson, N. J.	173	92	36	17	.....	.....	.....	.....
Pawtucket, R. I.	145	28	29	.....	7	5	5	.....
Pekin, Ill.	90	59	.....	.....	.....	.....	.....	.....
Peoria, Ill.	45	10	6	.....	3	1	1	1
Perth Amboy, N. J.	16	.....	1	.....	.....	.....	.....	.....
Petersburg, Va.	210	160	85	20	.....	1	3	1
Philadelphia, Pa.	2,212	1,069	295	87	200	218	112	56
Pine Bluff, Ark.	25	.....	22	.....	.....	.....	.....	.....
Piqua, Ohio.	.....	98	8	.....	3	1	.....	.....
Pittsfield, Mass.	145	26	8	.....	5	6	5	1
Plainsfield, N. J.	103	22	10	2	4	.....	1	.....
Pontiac, Mich.	56	16	3	.....	1	1	.....	.....
Port Chester, N. Y.	43	4	6	.....	1	.....	1	.....
Port Huron, Mich.	102	10	4	.....	7	3	1	.....
Portland, Me.	380	133	14	.....	12	11	11	.....
Portland, Oreg.	742	576	312	.....	29	31	28	.....
Portsmouth, N. H.	15	9	8	13	.....	.....	.....	.....
Portsmouth, Ohio.	.....	.....	27	.....	.....	.....	3	.....
Poughkeepsie, N. Y.	43	1	1	1	.....	1	.....	.....
Providence, R. I.	1,201	734	217	84	30	28	19	14
Provo, Utah.	560	8	.....	.....	.....	3	.....	.....
Pueblo, Colo.	33	1	.....	.....	2	2	1	.....

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920—Continued.

Place.	Cases, week ended—				Deaths, week ended—			
	Feb. 14.	Feb. 21.	Feb. 23.	Mar. 6.	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Quincy, Ill.	69	12	24		2	2	4	
Quincy, Mass.	36		1	1	3		1	
Racine, Wis.		13	3					
Rahway, N. J.							2	
Raleigh, N. C.	758	252	57	24	2	11		3
Reading, Pa.		48	11			9	1	
Redlands, Calif.	8	38	19					
Reno, Nev.		62	19					
Richmond, Ind.	1	1	3					
Richmond, Va.	842	359	85	32	20	10	7	3
Riverside, Calif.	97	106	59					
Roanoke, Va.	465	110	46					
Rochester, N. Y.	601	175	111	25	21	12	8	3
Rockford, Ill.						2	1	
Rock Island, Ill.		15	6					
Rocky Mount, N. C.	250	250	150			2	4	1
Rome, Ga.	546	646	358	241	5		19	24
Rome, N. Y.	163	78	6					
Rutland, Vt.	124	105			1	7		
Sacramento, Calif.	173	153	94		10	2		
Saginaw, Mich.	224	47			6	6		
St. Cloud, Minn.	78	25	1			1		
St. Joseph, Mo.	654	164	50		6	11	4	
St. Louis, Mo.		115	38			54	14	
St. Paul, Minn.	44	14	1		48	15	8	
Salem, Mass.		7	10					
Salem, Oreg.	67	61			2			
Salt Lake City, Utah.	476	74	10	12	52	21	10	2
San Angelo, Tex.							2	
San Bernardino, Calif.	70		21					
San Diego, Calif.	259	205	106		7	10	1	
Sandusky, Ohio	84	31	2			2		
Sasford, Me.	203	148	92					
San Francisco, Calif.		1,466	931			78	68	
Santa Barbara, Calif.		33				7		
Santa Cruz, Calif.	5	6		8				1
Saratoga Springs, N. Y.	267	164	82					
Saugus, Mass.	61	51	19					
Sault Ste. Marie, Mich.	39	7				3		
Savannah, Ga.	1,588	972	529		16	44	33	
Schenectady, N. Y.	53	30	28		10	12	8	
Seattle, Wash.	909	447	154		80	62	8	
Sheboygan, Wis.		23	7					
Sioux Falls, S. Dak.	60	128	2		4	9	3	
Somerville, Mass.	319	72	48		12	3	1	
South Bend, Ind.	5	1						
Southbridge, Mass.	7		2					
Spartanburg, S. C.	305	23	19		3			
Springfield, Ill.	76	4	8		2	1		
Springfield, Mass.	201	78	15		12	17	8	
Springfield, Mo.					5	10		
Springfield, Ohio.	122	10			4	1	1	
Stamford, Conn.	16							
Staunton, Va.	99	32	71	25	1	1		
Steelton, Pa.	4	3				1		
Steubenville, Ohio	2	1						
Stillwater, Minn.	6							
Stockton, Calif.	142		26		1			
Superior, Wis.	140							
Syracuse, N. Y.	15	10	2		25	5	5	
Taunton, Mass.		44	52	7	1	2	3	3
Terre Haute, Ind.	10	13	8			2	4	2
Tiffin, Ohio.	71	35		1	1			
Toledo, Ohio.	274	62	45	2	19	20	10	6
Topeka, Kans.	591	229	91		5	12	8	
Traverse City, Mich.	73	39	15					
Trenton, N. J.	223	160	95	36	14	5	5	1
Trinidad, Colo.		7						
Troy, N. Y.							2	
Tucson, Ariz.	2	2						
Vallejo, Calif.	50	40						
Virginia, Minn.	196							
Waco, Texas.	13	1			3	2	1	
Waltham, Mass.	212	92			1	1		

Including pneumonia.

INFLUENZA—Continued.

City Reports for Weeks Ended Feb. 14, 21, and 28, and Mar. 6, 1920—Continued.

Place.	Cases, week ended—				Deaths, week ended—			
	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.	Feb. 14.	Feb. 21.	Feb. 28.	Mar. 6.
Washington, D. C.	298	104	36		34	17	9	
Waterbury, Conn.	146	126	21		1	1		
Watertown, Mass.	34	8						
Watertown, N. Y.	211	125	95		3	1		
Wausau, Wis.	115	80	30	14	1	1		
Westfield, Mass.	57	44	19	21		1	1	
West Hoboken, N. J.	19	4	2	2		1		
West New York, N. J.							1	
West Orange, N. J.		11	14				3	
Wheeling, W. Va.	134	63	33		9	14	8	
Wichita, Kans.	165	142	10		3	9	4	
Wilkes-Barre, Pa.					11	21	8	
Wilkesburg, Pa.	42	18	4	3		6	2	2
Williamsville, Conn.	30	8	23		2	1		
Williamstown, N. C.		581	236			2		
Winchester, Mass.	26			1				
Windham, Conn.	8							
Winona, Minn.	55	12	9				1	
Winsted, Conn.	1,810	532	219		19	14	4	
Winthrop, Mass.	51	24	5	5				
Woburn, Mass.					2			
Worcester, Mass.	418	260	102	39	18	13	9	13
Yonkers, N. Y.	53	14			5	2		
Zanesville, Ohio.	308						1	

LEPROSY.

Adams, Mass.—Week Ended Feb. 21, 1920.

During the week ended February 21, 1920, 1 case of leprosy was reported at Adams, Mass.

LETHARGIC ENCEPHALITIS.

California, Montana, and Nebraska.

During the month of January, 1920, there were reported 18 cases of lethargic encephalitis in California and 2 cases in Montana. During the week ended February 21, 1920, 1 case and 1 death were reported at Lincoln, Nebr.

MALARIA.

State Reports for January, 1920.

Place.	New cases reported.	Place.	New cases reported.
California:		California—Continued.	
Butte County—		San Francisco.....	19
Chico.....	2	San Joaquin County—	
Colusa County.....	1	Stockton.....	1
Glenn County.....	1	Shasta County.....	1
Kings County.....		Redding.....	2
Lompoc.....	1		
Riverside County—		Total.....	29
Riverside.....	1		

MALARIA—Continued.

State Reports for January, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Massachusetts:		Virginia—Continued.	
Berkshire County—		James City County.....	3
Pittsfield.....	1	Lancaster County.....	1
Worcester County—		Irrington.....	1
Camp Devens.....	2	Loudoun County.....	3
Worcester.....	1	Louisa County.....	1
Total.....	4	Lunenburg County—	
		Victoria.....	1
New Jersey:		Mecklenburg County.....	3
Atlantic County.....	1	Middlesex County.....	3
Essex County.....	2	New Kent County.....	1
Passaic County.....	1	Northumberland County.....	3
Total.....	4	Mills.....	6
		Page County.....	1
Virginia:		Pittsylvania County.....	5
Accomac County.....	12	Powhatan County.....	4
Chincoteague.....	6	Princess Anne County.....	12
Parksley.....	2	Prince Edward County.....	1
Brunswick County—		Roanoke County.....	1
Alberta.....	3	Rockingham County—	
Caroline County.....	3	Dayton.....	3
Greensville County.....	6	Southampton County—	
Emporia.....	3	Sedley.....	1
Halifax County—		Surry County.....	4
South Boston.....	1	Sussex County.....	1
Henrico County.....	4	Warwick County.....	4
Henry County.....	2	Camp Eustis.....	1
Isle of Wight County.....	13	Westmoreland County.....	1
		Total.....	132

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alton, Ill.....	3		Richmond, Va.....	1	
Birmingham, Ala.....	1		San Francisco, Calif.....	1	
Brunswick, Ga.....	2		Savannah, Ga.....		1

MEASLES.

See Telegraphic weekly reports from States, page 599; Monthly summaries by States, page 602; and Weekly reports from cities, page 624.

PELLAGRA.

Virginia Report for January, 1920.

Place.	New cases reported.	Place.	New cases reported.
Virginia:		Virginia—Continued.	
Alleghany County.....	1	Mecklenburg County.....	1
Lowmoore.....	1	Patrick County.....	1
Augusta County.....	1	Princess Anne County.....	1
Grayson County—		Wise County—	
Fairwood.....	1	Norton.....	1
Greensville County—		Total.....	10
Emporia.....	1		
Lee County—			
St. Charles.....	1		

PELLAGRA—Continued.

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Austin, Tex.		1	Fort Worth, Tex.		1
Birmingham, Ala.	1		Staunton, Va.		1
Charleston, S. C.		1	Waco, Tex.		1

PLAGUE (RODENT).

New Orleans, La.

The table below gives a record of rodent cases of plague at New Orleans, La., from February 28 to March 5, and is a continuation of the table printed on page 552 of the Public Health Reports dated March 5, 1920.

No case of human plague in New Orleans has been confirmed since December 30, 1919.

Date confirmed.	Mus Alexandrinus and mus rattus.	Mus musculus.	Mus Norvegicus.	Total rodents plague infected.
1920.				
Feb. 28.			3	3
Feb. 29.	1		2	3
Mar. 1.	1			1
Mar. 2.			5	5
Mar. 3.	1		4	5
Mar. 4.			3	3
Mar. 5.	1		1	2

PNEUMONIA (ALL FORMS).

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, Wash.	17		Battle Creek, Mich.	5	4
Adams, Mass.		1	Bayonne, N. J.	8	
Akron, Ohio.	4		Beatrice, Nebr.		2
Alameda, Calif.	4	2	Beaumont, Tex.		5
Albany, N. Y.	14		Belleville, N. J.	3	
Alexandria, Va.		1	Bellingham, Wash.	3	1
Alliance, Ohio.	5	7	Berkeley, Calif.	3	1
Alton, Ill.	6	2	Beverly, Mass.	4	12
Anaconda, Mont.		1	Biddeford, Me.	8	6
Anderson, Ind.		2	Billings, Mont.		1
Ann Arbor, Mich.	22	8	Binghamton, N. Y.	51	12
Annonis, Ala.	8		Birmingham, Ala.		32
Ansonia, Conn.	1	4	Bloomfield, N. J.	4	1
Arlington, Mass.		2	Bloomington, Ill.		6
Asbury Park, N. J.	2	1	Bloomington, Ind.		6
Ashland, Ky.	18	5	Bluefields, W. Va.	7	1
Ashtabula, Ohio.	1	2	Boston, Mass.	105	110
Atlanta, Ga.	21	30	Brazil, Ind.	3	
Atlantic City, N. J.	22	4	Bridgeport, Conn.		13
Attleboro, Mass.	2	1	Bristol, Conn.	5	4
Auburn, N. Y.	19	12	Brockton, Mass.	12	7
Austin, Tex.		1	Brookline, Mass.	6	6
Baltimore, Md.	412	156	Brunswick, Ga.	2	1
Barberton, Ohio.		10	Buffalo, N. Y.	186	84
Baton Rouge, La.	1	1	Burlington, Iowa.		3

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Butte, Mont.	2	10	Hartford, Conn.	10	21
Cadillac, Mich.	10	4	Haverhill, Mass.	24	20
Cairo, Ill.	10	7	Hoboken, N. J.	11	14
Cambridge, Mass.	11	14	Holland, Mich.	.....	3
Canton, Ohio.	.....	5	Holyoke, Mass.	5	15
Centralia, Ill.	1	.....	Huntington, Ind.	.....	3
Chanute, Kans.	.....	3	Huntington, W. Va.	24	22
Charleston, S. C.	90	10	Independence, Mo.	2	2
Charleston, W. Va.	2	7	Indianapolis, Ind.	.....	34
Charlotte, N. C.	.....	4	Iowa City, Iowa.	.....	1
Chattanooga, Tenn.	5	32	Ironton, Ohio.	10	.....
Chelsea, Mass.	9	6	Ironwood, Mich.	2	.....
Cheyenne, Wyo.	2	.....	Irrington, N. J.	11	.....
Chicago, Ill.	404	116	Ishpeming, Mich.	10	1
Chicope, Mass.	.....	10	Ithaca, N. Y.	11	4
Chillicothe, Ohio.	7	1	Jacksonville, Ill.	4	11
Cincinnati, Ohio.	40	40	Jamestown, N. Y.	22	13
Cleveland, Ohio.	115	75	Janesville, Wis.	.....	1
Clinton, Mass.	8	2	Jefferson City, Mo.	.....	4
Colfeysville, Kans.	3	4	Jersey City, N. J.	19	.....
Cohoes, N. Y.	9	2	Kalamazoo, Mich.	29	16
Columbia, S. C.	7	.....	Kankakee, Ill.	2	2
Columbus, Ga.	10	10	Kansas City, Kans.	13	.....
Columbus, Ohio.	.....	22	Kansas City, Mo.	29	33
Concord, N. H.	.....	1	Kearny, N. J.	8	8
Corpus Christi, Tex.	1	.....	Keene, N. H.	.....	2
Cortland, N. Y.	11	3	Kewanee, Ill.	.....	1
Council Bluffs, Iowa.	.....	3	Kokomo, Ind.	3	3
Covington, Ky.	15	11	Lackawanna, N. Y.	17	4
Cranston, R. I.	.....	4	La Fayette, Ind.	.....	8
Cumberland, Md.	32	11	Lake Charles, La.	9	.....
Dallas, Tex.	29	20	Lancaster, Ohio.	2	4
Danvers, Mass.	2	.....	Lawrence, Kans.	3	.....
Danville, Va.	.....	4	Lawrence, Mass.	16	7
Dayton, Ohio.	3	8	Leavenworth, Kans.	6	3
Decatur, Ill.	6	5	Leominster, Mass.	3	1
Dedham, Mass.	.....	4	Lexington, Ky.	4	9
Denison, Tex.	15	.....	Lima, Ohio.	6	12
Denver, Colo.	.....	35	Lincoln, Nebr.	1	1
Dover, N. H.	1	.....	Lincoln, R. I.	1	.....
Dubuque, Iowa.	1	4	Lockport, N. Y.	9	1
Duluth, Minn.	5	4	Logansport, Ind.	.....	2
Durham, N. C.	7	2	Long Beach, Calif.	5	6
East Chicago, Ind.	.....	4	Lorain, Ohio.	1	4
Easthampton, Mass.	1	1	Los Angeles, Calif.	115	66
East Orange, N. J.	21	6	Louisville, Ky.	39	45
East St. Louis, Ill.	9	10	Lowell, Mass.	29	30
Elgin, Ill.	2	2	Lynchburg, Va.	.....	5
Elizabeth, N. J.	8	19	Lynn, Mass.	5	16
Elkhart, Ind.	.....	6	Macon, Ga.	7	11
Elmira, N. Y.	24	10	Malden, Mass.	4	3
El Paso, Tex.	.....	21	Manchester, Conn.	9	1
Elwood, Ind.	3	3	Manchester, N. H.	7	7
Elglewood, N. J.	4	1	Marion, Ind.	.....	11
Evanston, Ill.	1	.....	Martinsburg, W. Va.	1	.....
Everett, Mass.	5	6	Martins Ferry, Ohio.	5	2
Fall River, Mass.	20	14	Mason City, Iowa.	.....	7
Findlay, Ohio.	3	.....	Mattson, Ill.	6	.....
Flint, Mich.	6	24	Medford, Mass.	.....	3
Fort Dodge, Iowa.	.....	9	Memphis, Tenn.	.....	51
Fort Worth, Tex.	25	25	Meriden, Conn.	8	4
Framingham, Mass.	6	6	Methuen, Mass.	3	2
Freeport, Ill.	.....	2	Middletown, N. Y.	6	7
Fremont, Nebr.	.....	1	Middletown, Ohio.	.....	2
Fremont, Ohio.	3	.....	Milwaukee, Wis.	.....	31
Galesburg, Ill.	6	3	Minneapolis, Minn.	.....	45
Galveston, Tex.	4	11	Mishawaka, Ind.	.....	1
Gardner, Mass.	3	3	Missoula, Mont.	.....	2
Gary, Ind.	.....	8	Mobile, Ala.	2	7
Geneva, N. Y.	1	3	Monmouth, Ill.	4	5
Glens Falls, N. Y.	4	2	Montgomery, Ala.	3	.....
Gloucester, N. J.	1	.....	Morgantown, W. Va.	12	4
Grand Rapids, Mich.	50	18	Morristown, N. J.	4	3
Great Falls, Mont.	2	.....	Moundsville, W. Va.	4	5
Greeley, Colo.	.....	1	Mount Vernon, N. Y.	13	7
Greenfield, Mass.	3	.....	Muscatine, Iowa.	.....	3
Greenwich, Conn.	2	.....	Nashua, N. H.	22	17
Hackensack, N. J.	4	3	Nashville, Tenn.	.....	3
Hammond, Ind.	.....	5	Newark, N. J.	100	27
Harrison, N. J.	2	.....	New Bedford, Mass.	9	.....

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
New Britain, Conn.	17	8	Rome, Ga.	5	12
New Brunswick, N. J.	6	2	Sacramento, Calif.	2	8
Newburyport, Mass.	2	2	Saginaw, Mich.	13	31
New Haven, Conn.	34	6	St. Joseph, Mo.	17	20
New London, Conn.	24	6	St. Paul, Minn.	12	12
New Orleans, La.	11	58	Salem, Mass.	21	8
Newport, R. I.	11	1	Salt Lake City, Utah	17	17
New York, N. Y.	1,705	627	San Angelo, Tex.	7	7
Niagara Falls, N. Y.	30	12	San Diego, Calif.	14	14
Norfolk, Va.	12	24	Sandusky, Ohio.	8	3
North Adams, Mass.	3	3	Sanford, Me.	14	4
Northampton, Mass.	4	2	San Francisco, Calif.	15	16
North Attleboro, Mass.	4	1	Santa Barbara, Calif.	2	2
North Little Rock, Ark.	3	1	Saratoga Springs, N. Y.	18	4
North Tonawanda, N. Y.	17	2	Sault Ste. Marie, Mich.	6	3
Norwalk, Conn.	4	4	Savannah, Ga.	10	10
Norwich, Conn.	11	11	Schenectady, N. Y.	30	7
Oakland, Calif.	10	17	Sicux Falls, S. Dak.	5	13
Oak Park, Ill.	3	5	Somerville, Mass.	14	12
Oklahoma City, Okla.	6	6	South Bend, Ind.	3	3
Omaha, Nebr.	19	19	Spokane, Wash.	9	15
Orange, N. J.	14	12	Springfield, Ill.	19	3
Paducah, Ky.	3	4	Springfield, Mass.	12	12
Parkersburg, W. Va.	11	5	Springfield, Mo.	1	6
Pasadena, Calif.	29	10	Springfield, Ohio	3	3
Passaic, N. J.	65	7	Staunton, Va.	12	1
Paterson, N. J.	7	4	Steubenville, Ohio.	1	24
Pawtucket, R. I.	2	22	Stillwater, Minn.	33	38
Peekskill, N. Y.	2	4	Syracuse, N. Y.	3	4
Peoria, Ill.	4	4	Tacoma, Wash.	1	15
Petersburg, Va.	583	402	Taunton, Mass.	4	1
Philadelphia, Pa.	2	2	Terre Haute, Ind.	4	30
Phillipsburg, N. J.	3	3	Tiffin, Ohio.	13	3
Pine Bluff, Ark.	11	5	Toledo, Ohio.	2	2
Piqua, Ohio.	5	5	Topeka, Kans.	19	19
Pittsfield, Mass.	6	1	Traverse City, Mich.	45	22
Plainfield, N. J.	1	8	Trenton, N. J.	38	6
Plymouth, Mass.	9	4	Troy, N. Y.	10	4
Pontiac, Mich.	2	8	Washington, D. C.	7	1
Port Chester, N. Y.	7	13	Watertown, Mass.	1	3
Port Huron, Mich.	16	21	Watertown, N. Y.	3	4
Portland, Me.	1	5	Wausau, Wis.	1	1
Portland, Oreg.	1	64	Westfield, Mass.	8	1
Poughkeepsie, N. Y.	2	14	West Hoboken, N. J.	5	18
Providence, R. I.	2	5	West New York, N. J.	14	13
Pueblo, Colo.	7	1	West Orange, N. J.	24	13
Quincy, Mass.	4	7	Wheeling, W. Va.	4	6
Rahway, N. J.	7	4	Wichita, Kans.	6	2
Raleigh, N. C.	4	1	Wilmington, Del.	21	15
Reno, Nev.	2	17	Wilmington, N. C.	18	11
Richmond, Ind.	5	1	Winona, Minn.	8	8
Richmond, Va.	17	15	Winston-Salem, N. C.	3	3
Riverside, Calif.	22	5	Winthrop, Mass.	2	2
Roanoke, Va.	7	3	Woburn, Mass.	15	15
Rochester, N. Y.	15	5	Worcester, Mass.	11	11
Rockford, Ill.	7	5	Yonkers, N. Y.	3	3
Rock Island, Ill.	3	3	Zanesville, Ohio.	3	3
Rocky Mount, N. C.	3	3			

POLIOMYELITIS (INFANTILE PARALYSIS).**State Reports for January, 1920.**

Place.	New cases reported.	Place.	New cases reported.
California:		New Jersey:	
Fresno County.....	2	Essex County.....	1
Los Angeles County—		South Dakota:	
Los Angeles.....	1	Buffalo County.....	1
Sonoma County.....	1	Virginia:	
Total.....	4	Botetourt County.....	6
Iowa:		Washington County.....	1
Lee County.....	1	Wise County—	
Massachusetts:		Norton.....	2
Essex County—		Total.....	9
Lawrence.....	1	Wisconsin:	
Middlesex County—		Waupaca County.....	1
Concord (town).....	1		
Total.....	2		

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....	1		Philadelphia, Pa.....		1
Fall River, Mass.....	1		St. Louis, Mo.....	1	1
New York, N. Y.....		1			

RABIES IN ANIMALS.**Kansas City, Mo.—Week Ended Feb. 21, 1920.**

During the week ended February 21, 1920, three cases of rabies in animals were reported at Kansas City, Mo.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 599; Monthly summaries by States, p. 602; and Weekly reports from cities, p. 624.

SMALLPOX.**State Reports for January, 1920—Vaccination Histories.**

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California:						
Alameda County—						
Alameda.....	21		1	1	19	
Berkeley.....	2				2	
Oakland.....	14		1		13	
Butte County.....	3			1	2	
Chico.....	11				11	
Gridley.....	2				2	
Colusa County—						
Colusa.....	1				1	

SMALLPOX—Continued.

State Reports for January, 1920—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California—Continued.						
Contra Costa County—						
Concord.....	2			1	1	
Pittsburg.....	1			1		
Richmond.....	2				2	
Fresno County.....	2			2		
Coalinga.....	3			1	2	
Selma.....	1				1	
Humboldt County.....	5				5	
Blue Lake.....	2				2	
Eureka.....	3				3	
Imperial County.....	3				3	
El Centro.....	2				2	
Holtville.....	2				2	
Kings County.....	3			1	2	
Los Angeles County.....	41			1	40	
Arcadia.....	4				4	
Azusa.....	1				1	
Beverly Hills.....	1				1	
Burbank.....	1			1		
Long Beach.....	25				25	
Los Angeles.....	34				34	
Monrovia.....	4				4	
Monterey Park.....	1				1	
Pomona.....	1				1	
Venice.....	4			1	3	
Whittier.....	5				5	
Mendocino County—						
Ukiah.....	6				6	
Merced County.....	1				1	
Monterey County.....	2	1		2		
Monterey.....	2				2	
Napa County.....	4				4	
Calistoga.....	3			1	2	
Napa.....	22			5	17	
Orange County—						
Brea.....	1				1	
Fullerton.....	3				3	
Plumas County.....	2				2	
Riverside County.....	7				7	
Blythe.....	7				7	
Perris.....	1				1	
Riverside.....	24			1	23	
Sacramento County.....	1				1	
Sacramento.....	7			2	5	
San Bernardino County.....	2				2	
Ontario.....	2				2	
Rialto.....	6			1	3	2
San Bernardino.....	10				10	
Upland.....	1				1	
San Diego County.....	1				1	
San Francisco.....	33			2	22	9
San Joaquin County.....	7				7	
Lodi.....	2				2	
Manteca.....	3				3	
Stockton.....	4			1	3	
Santa Barbara County—						
Lompoc.....	6				6	
Santa Barbara.....	13				3	9
Santa Clara County.....	1			1		
Los Gatos.....	6				6	
Mountain View.....	2			1	1	
San Jose.....	5			2	3	
Shasta County—						
Redding.....	1				1	
Solano County.....	10			3	7	
Rio Vista.....	16			2	14	
Vallejo.....	1				1	
Sonoma County.....	1				1	
Healdsburg.....	1			1		
Santa Rosa.....	1				1	
Stanislaus County.....	1				1	
Tehama County—						
Red Bluff.....	1				1	

SMALLPOX—Continued.

State Reports for January, 1920—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California--Continued.						
Tulare County.....	2			1	1	
Porterville.....	4		2		2	
Ventura County.....	5				5	
Fillmore.....	4				4	
Glenn County-- Orland.....	5				5	
Total.....	457	1	4	37	395	21
Colorado:						
Arapaho County.....	8				7	1
Bent County.....	21				20	1
Delta County.....	15				11	4
Denver County.....	167		15		148	4
Eagle County.....	1					1
El Paso County.....	14				4	10
Fremont County.....	1				1	
Huerfano County.....	7		1		4	2
Jefferson County.....	30		6		19	5
Kitt Carson County.....	1				1	
Kiowa County.....	1					
Lake County.....	4				3	1
La Plata County.....	6				2	4
Las Animas County.....	6		1		5	
Larimer County.....	38		1		36	1
Mesa County.....	20		1		2	17
Otero County.....	1				1	
Phillips County.....	1					1
Prowers County.....	10				7	3
Pueblo County.....	10				1	9
Rio Grande County.....	1				1	
Weid County.....	22				10	12
Total.....	385		25		284	76
Montana:						
Big Horn County-- Hardin (I R. D.).....	2				2	
Lodge Grass.....	1		1			
Carbon County-- Silesia.....	1				1	
Cascade County-- Great Falls.....	12				12	
Chouteau County-- Geraldine (R. D.).....	1				1	
Custer County-- Miles City.....	5				5	
Fergus County-- Garneill.....	1				1	
Lewistown (I R. D.).....	5				5	
Gallatin County-- Bozeman.....	2				2	
Glacier County-- Cut Bank.....	1				1	
Lewis and Clark County-- Marysville.....	11				11	
Helena.....	1		1			
Lincoln County-- Libby.....	4				4	
Stryker.....	1				1	
Troy.....	2				2	
Madison County-- Morris.....	1				1	
Park County-- Livingston.....	7			1	6	
Ravalli County-- Hamilton.....	4				4	
Rosebud County-- Forsyth.....	9		1		8	
Rosebud.....	2			1	1	
Teton County-- Choteau.....	1				1	
Dutton.....	1				1	

SMALLPOX—Continued.

State Reports for January, 1920—Vaccination Histories—Continued

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
Montana—Continued.						
Valley County—						
Glasgow.....	5				5	
Wheatland County—						
Harlowton.....	2				2	
Judith Gap.....	6		2	1	3	
Wibaux County—						
Wibaux.....	2		1		1	
Yellowstone County—						
Billings.....	1			1		
Laurel.....	1				1	
Shepherd.....	8			1	7	
Total.....	100		6	5	89	
Wisconsin:						
Adams County.....	6				6	
Ashland County.....	16			2	14	
Barron County.....	16			3	10	3
Bayfield County.....	5					5
Brown County.....	79					79
Calumet County.....	20		3	2	6	9
Chippewa County.....	4				4	
Clark County.....	6				6	
Columbia County.....	5					5
Crawford County.....	2				1	1
Dane County.....	8		1			7
Dodge County.....	4					4
Door County.....	5				5	
Douglas County.....	34		3		31	
Dunn County.....	2				2	
Eau Claire County.....	1					1
Fond du Lac County.....	66		3		42	21
Forest County.....	3				3	
Grant County.....	2					2
Jackson County.....	31			1	20	10
Kenosha County.....	19					19
Kewaunee County.....	8				1	7
La Crosse County.....	1		1			
Langlade County.....	7					7
Lincoln County.....	23				1	22
Manitowoc County.....	12			1	1	10
Marathon County.....	17		3	1	3	10
Marinette County.....	3			1		2
Marquette County.....	7		1		6	
Milwaukee County.....	28		1		1	27
Monroe County.....	6					5
Oconto County.....	53		1	3	9	40
Oneida County.....	1				1	
Outagamie County.....	29				9	20
Pepin County.....	2				1	1
Portage County.....	17		1	1	9	6
Price County.....	4		1		1	2
Racine County.....	12					12
Richland County.....	8		5			3
Rock County.....	22		1	1	14	6
Rusk County.....	1				1	
St. Croix County.....	17		1		16	
Sawyer County.....	7			1		5
Shawano County.....	15				4	11
Sheboygan County.....	4				4	
Taylor County.....	9			1		8
Vernon County.....	5					5
Vilas County.....	1				1	
Walworth County.....	4				2	2
Waupaca County.....	46		1	4	21	20
Waushara County.....	1			1		
Winnebago County.....	20		4	3	1	12
Wood County.....	24			3	17	4
Total.....	748		31	29	275	413

SMALLPOX—Continued.

State Reports for January, 1920:

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Iowa:			Oregon—Continued.		
Adair County.....	19	.....	Clatsop County.....	7	.....
Blackhawk County.....	97	.....	Columbia County.....	1	.....
Bremer County.....	5	.....	Coos County.....	99	.....
Buena Vista County.....	18	.....	Deschutes County.....	11	.....
Butler County.....	3	.....	Douglas County.....	10	.....
Calhoun County.....	7	.....	Hood River County.....	11	.....
Cerro Gordo County.....	52	.....	Jackson County.....	8	.....
Chickasaw County.....	1	.....	Jefferson County.....	1	.....
Davis County.....	2	.....	Lane County.....	6	.....
Delaware County.....	2	.....	Linn County.....	2	.....
Dickinson County.....	9	.....	Marion County.....	8	.....
Dubuque County.....	11	.....	Morrow County.....	2	.....
Emmet County.....	2	.....	Multnomah County.....	2	.....
Floyd County.....	2	.....	Polk County.....	9	.....
Franklin County.....	7	.....	Tillamook County.....	7	.....
Fremont County.....	1	.....	Umatilla County.....	10	.....
Grundy County.....	19	.....	Wasco County.....	26	.....
Hardin County.....	21	.....	Washington County.....	15	.....
Harrison County.....	2	.....	Yamhill County.....	1	.....
Jasper County.....	4	.....	Portland.....	502	.....
Kossuth County.....	2	.....	Total.....	801	.....
Linn County.....	12	.....	South Dakota:		
Mahaska County.....	4	.....	Beadle County.....	3	.....
Marshall County.....	5	.....	Buffalo County.....	7	.....
Mills County.....	1	.....	Codington County.....	1	.....
Mitchell County.....	1	.....	Davison County.....	12	.....
Muscatine County.....	5	.....	Douglas County.....	2	.....
O'Brien County.....	1	.....	Grant County.....	9	.....
Page County.....	1	.....	Hanson County.....	5	.....
Plymouth County.....	5	.....	Hughes County.....	4	.....
Polk County.....	7	.....	Jerauld County.....	4	.....
Pottawattamie County.....	6	.....	Jones County.....	7	.....
Scott County.....	105	.....	Lawrence County.....	2	1
Tama County.....	17	.....	Meade County.....	1	.....
Van Buren County.....	1	.....	Minnehaha County.....	10	.....
Winnebiek County.....	1	.....	Sanborn County.....	1	.....
Wright County.....	8	.....	Spink County.....	1	.....
Total.....	446	.....	Sully County.....	1	.....
Maine:			Truner County.....	1	.....
Androscoggin County—			Ziebach County.....	2	.....
East Livermore (town).....	6	.....	Total.....	73	1
Lewiston.....	12	.....	Virginia:		
Anburn.....	2	.....	Accomac County.....	38	.....
Aroostook County—			Alleghany County—		
Bridgewater (town).....	6	.....	Clifton Forge.....	4	.....
Caswell (plantation).....	11	.....	Bedford County.....	53	.....
Cumberland County—			Botetourt County.....	19	.....
New Gloucester (town).....	3	.....	Eagle Rock.....	2	.....
Westbrook.....	2	.....	Campbell County—		
Franklin County—			Evington.....	1	.....
Copin (plantation).....	7	.....	Lynchburg.....	2	.....
Farmington (town).....	2	.....	Carroll County.....	3	.....
Jay (town).....	13	.....	Dickenson County.....	6	.....
Kennebec County—			Elizabeth City County.....	1	.....
Clinton.....	2	.....	Hampton.....	1	.....
Lincoln County—			Floyd County.....	1	.....
Damariscotta (town).....	3	.....	Giles County—		
Oxford County—			Pearisburg.....	1	.....
Norway (town).....	1	.....	Gloucester County.....	4	.....
Somerset County—			Grayson County—		
Hartland (town).....	5	.....	Troutdale.....	3	.....
St. Albans (town).....	6	.....	Greene County.....	7	.....
Waldo County—			Halifax County.....	1	.....
Belfast.....	3	.....	Henry County.....	4	.....
Total.....	84	.....	Martinsville.....	3	.....
New Jersey:			Isle of Wight County.....	1	.....
Burlington County.....	1	.....	Lee County.....	3	.....
Essex County.....	12	.....	Mecklenburg County.....	1	.....
Total.....	13	.....	Montgomery County—		
Oregon:			Oley.....	1	.....
Baker County.....	1	.....	Norfolk County.....	11	.....
Benton County.....	3	.....	Page County.....	6	.....
Clackamas County.....	59	.....	Patrick County.....	15	.....
			Pittsylvania County.....	13	.....
			Danville.....	3	.....

SMALLPOX—Continued.

State Reports for January, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Virginia—Continued.			Virginia—Continued.		
Prince William County...	1	.....	Tazewell County—		
Rappahannock County...	1	.....	Boissevain.	4	
Roanoke County—			Graham.	3	
Roanoke.	2	.....	Pounding Mills.	1	
Vinton.	1	.....	Washington County.	10	
Rockingham County.	64	.....	Konnarock.	8	
Harrisonburg.	1	.....	Wise County.	16	
Elkton.	35	.....	Norton.	12	
Scott County.	35	.....	Dorchester.	2	
Smyth County.	2	.....	Wise.	1	
Southampton County.	21	.....	Imman.	5	
Franklin.	1	.....	Wythe County.	3	
Spottsylvania County—			Wytheville.	10	
Fredericksburg.	8	.....	York.	8	
Stafford County.	6	.....		
Sussex County.	1	.....	Total.	470	

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.	13	.....	Lexington, Ky.	1	.....
Ann Arbor, Mich.	1	.....	Lincoln, Nebr.	26	.....
Appleton, Wis.	2	.....	Logansport, Ind.	3	.....
Atlanta, Ga.	8	.....	Long Beach, Calif.	9	.....
Bellingham, Wash.	5	.....	Los Angeles, Calif.	7	.....
Birmingham, Ala.	4	.....	Louisville, Ky.	1	.....
Bloomington, Ind.	1	.....	Macon, Ga.	1	.....
Bluefield, W. Va.	7	.....	Madison, Wis.	1	.....
Boise, Idaho.	8	.....	Manitowoc, Wis.	4	.....
Buffalo, N. Y.	1	.....	Marion, Ohio.	2	.....
Canton, Ohio.	3	.....	Marshalltown, Iowa.	12	.....
Chanute, Kans.	1	.....	Mason, City, Iowa.	10	.....
Charleston, S. C.	2	.....	Memphis, Tenn.	5	.....
Charleston, W. Va.	1	.....	Milwaukee, Wis.	12	.....
Chattanooga, Tenn.	3	.....	Minneapolis, Minn.	23	.....
Cheyenne, Wyo.	4	.....	Mobile, Ala.	2	.....
Chicago, Ill.	6	.....	Monmouth, Ill.	2	.....
Cleveland, Ohio.	8	.....	Montgomery, Ala.	1	.....
Columbus, Ga.	1	.....	Muskogee, Okla.	2	.....
Columbus, Ohio.	1	.....	New Orleans, La.	29	10
Council Bluffs, Iowa.	1	.....	Oakland, Calif.	3	.....
Dallas, Tex.	38	.....	Ogden, Utah.	21	.....
Danville, Va.	1	.....	Oklahoma City, Okla.	3	.....
Davenport, Iowa.	27	.....	Omaha, Nebr.	4	.....
Denver, Colo.	31	.....	Paducah, Ky.	2	.....
Des Moines, Iowa.	1	.....	Parsons, Kans.	2	.....
Detroit, Mich.	12	.....	Peoria, Ill.	1	.....
Dubuque, Iowa.	1	.....	Pine Bluff, Ark.	4	.....
Duluth, Minn.	4	.....	Piqua, Ohio.	1	.....
East Cleveland, Ohio.	1	.....	Pontiac, Mich.	2	.....
Eau Claire, Wis.	1	.....	Portland, Oreg.	45	.....
El Paso, Tex.	1	.....	Pueblo, Colo.	3	.....
Everett, Wash.	2	.....	Roanoke, Va.	1	.....
Fargo, N. Dak.	6	.....	Rockford, Ill.	2	.....
Flint, Mich.	1	.....	Rock Island, Ill.	1	.....
Fond du Lac, Wis.	4	.....	Sacramento, Calif.	1	.....
Fort Dodge, Iowa.	1	.....	St. Joseph, Mo.	19	1
Fort Smith, Ark.	1	.....	St. Louis, Mo.	11	.....
Galesburg, Ill.	7	.....	St. Paul, Minn.	4	.....
Gary, Ind.	2	.....	Salt Lake City, Utah.	14	.....
Grand Rapids, Mich.	2	.....	San Diego, Calif.	2	.....
Great Falls, Mont.	7	.....	San Francisco, Calif.	23	.....
Green Bay, Wis.	2	.....	Santa Barbara, Calif.	4	.....
Hammond, Ind.	2	.....	Seattle, Wash.	29	.....
Hoquiam, Wash.	2	.....	Sioux City, Iowa.	2	.....
Huntington, Ind.	2	.....	South Bend, Ind.	7	.....
Indianapolis, Ind.	8	.....	Spokane, Wash.	32	.....
Ironwood, Mich.	2	.....	Superior, Wis.	1	.....
Jacksonville, Ill.	1	.....	Tacoma, Wash.	13	.....
Janesville, Wis.	5	.....	Terre Haute, Ind.	3	.....
Joplin, Mo.	3	.....	Topeka, Kans.	1	.....
Kalamazoo, Mich.	1	.....	Vancouver, Wash.	4	.....
Kansas City, Kans.	2	.....	Waco, Tex.	2	.....
Kansas City, Mo.	17	.....	Walla Walla, Wash.	6	.....
Kenosha, Wis.	2	.....	Wausau, Wis.	3	.....
Kokomo, Ind.	15	.....	Wichita, Kans.	9	.....
La Fayette, Ind.	1	.....	Yakima, Wash.	8	.....
Lawrence, Kans.	1	.....		

SMALLPOX—Continued.**Vaccinations on Canadian Border, 1920.**

Reports from Public Health Service officers on the Canadian border show that vaccinations were performed at points of entry to the United States from February 26 to February 29, 1920, inclusive, as follows:

Vaccinations.

Buffalo.....	218
Detroit.....	605
Niagara Falls.....	145
Ogdensburg.....	25
Port Huron.....	235
Sault Ste. Marie ¹	28

TETANUS.**Los Angeles, Calif., New Orleans, La., and Savannah, Ga.**

During the week ended February 21, 1920, one death from tetanus was reported at each of the following-named places: Los Angeles, Calif., New Orleans, La., and Savannah, Ga.

TRICHINOSIS.**California and Massachusetts—January, 1920.**

During January, 1920, one case of trichinosis was reported in California, and three cases were reported in Massachusetts.

TUBERCULOSIS.

See Telegraphic weekly reports from States, page 599; and Weekly reports from cities, page 624.

TYPHOID FEVER.**State Reports for January, 1920.**

Place.	New cases reported.	Place.	New cases reported.
California:		California—Continued.	
Alameda County—		San Francisco.....	10
Oakland.....	2	San Joaquin County.....	1
Colusa County.....	1	Sonoma County.....	3
Fresno County.....	2	Total.....	56
Kern County.....	2		
Los Angeles County.....	3	Colorado:	
Alhambra.....	1	Denver.....	2
Azusa.....	1		
Long Beach.....	2	Maine:	
Los Angeles.....	12	Aroostook County—	
Pasadena.....	2	Ashland (town).....	4
Merced County.....	1	Eagle Lake (town).....	2
Orange County.....		Houlton (town).....	1
Huntington Beach.....	1	Mapleton (town).....	1
Placer County.....	1	Presque Isle.....	3
Riverside County.....	2	Westfield.....	1
Corona.....	1	Cumberland County—	
Hemet.....	1	Portland.....	3
Riverside.....	3	Franklin County—	
Sacramento County—		Rangeley (town).....	2
Sacramento.....	3	Kennebec County—	
San Bernardino County—		Augusta.....	1
Redlands.....	1		

¹ No report for February 29.

TYPHOID FEVER—Continued.

State Reports for January, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Maine—Continued.		New Jersey:	
Oxford County—		Bergen County.....	1
Denmark.....	1	Burlington County.....	4
Penobscot County—		Camden County.....	3
Bangor.....	2	Essex County.....	4
East Millinocket (town).....	2	Gloucester County.....	1
Piscataquis County—		Hudson County.....	1
Dover (town).....	2	Mercer County.....	3
Milo (town).....	3	Middlesex County.....	1
Sagadahoc County—		Monmouth County.....	3
Bath.....	2	Ocean County.....	1
Somerset County—		Passaic County.....	3
Skowhegan (town).....	1	Somerset County.....	1
Total.....	31	Union County.....	2
Massachusetts:		Total.....	28
Berkshire County—		Oregon:	
Adams (town).....	2	Clatsop County.....	3
Bristol County—		Umatilla County.....	3
Fall River.....	3	Yamhill County.....	1
New Bedford.....	2	Portland.....	2
Essex County—		Total.....	9
Amesbury (town).....	1	South Dakota:	
Danvers (town).....	2	Beadle County.....	1
Lawrence.....	9	Miner County.....	4
Hampden County—		Spink County.....	1
Holyoke.....	2	Total.....	6
Hampshire County—		Virginia:	
Northampton.....	10	Accomac County.....	2
Middlesex County—		Alexandria County—	
Cambridge.....	3	Alexandria.....	1
Everett.....	1	Allegheny County—	
Lowell.....	1	Jordan Mines.....	2
Marlboro.....	1	Buchanan County.....	3
Newton.....	1	Grundy.....	5
Somerville.....	1	Hurley.....	4
Norfolk County—		Buckingham County.....	1
Canton (town).....	1	Carroll County.....	1
Quincy.....	2	Dickenson County.....	2
Stoughton (town).....	1	Dinwiddie County.....	2
Plymouth County—		Floyd County.....	1
Brockton.....	2	Grayson County—	
Plymouth (town).....	1	Fairwood.....	2
Wareham (town).....	1	Hallix County—	
Suffolk County—		South Boston.....	1
Boston.....	5	Hanover County.....	1
Chelsea.....	3	Henrico County—	
Revere.....	4	Richmond.....	3
Winthrop (town).....	1	Lee County—	
Worcester County—		Pennington Gap.....	1
Athol (town).....	1	Louisa County.....	1
Leominster.....	1	Norfolk County—	
Milford (town).....	1	Norfolk.....	4
Total.....	63	Orange County—	
Montana:		Gordonsville.....	1
Big Horn County—		Patrick County.....	2
Hardin (B. D.).....	1	Pittsylvania County.....	1
Blaine County—		Prince William County.....	1
Zurich.....	1	Pulaski County.....	2
Cascade County—		Rockingham County.....	1
Great Falls.....	1	Scott County.....	1
Fergus County—		Smyth County.....	1
Coffee Creek.....	1	Southampton County.....	1
Missoula County—		Washington County.....	3
Milltown.....	1	Fleet.....	1
Roosevelt County—		Westmoreland County.....	2
Pepper.....	2	Total.....	54
Silver Bow County—			
Butte.....	2		
Yellowstone County—			
Billings.....	1		
Total.....	10		

TYPHOID FEVER—Continued.

State Reports for January, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Wisconsin:		Wisconsin—Continued.	
Columbia County.....	1	Outagamie County.....	1
Door County.....	1	Portage County.....	1
Douglas County.....	1	Sheboygan County.....	2
Fond du Lac County.....	1	Vernon County.....	1
Green Lake County.....	1	Winnebago County.....	1
Kenosha County.....	1		
Milwaukee County.....	7	Total.....	19

City Reports for Week Ended Feb. 21, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, N. Y.....	1		Methuen, Mass.....		1
Baltimore, Md.....	1		New Philadelphia, Ohio.....	1	
Bayonne, N. J.....	1		New York, N. Y.....	7	2
Birmingham, Ala.....	1		Norristown, Pa.....	1	
Boston, Mass.....	1		Northampton, Mass.....	3	
Butte, Mont.....	1		Oakland, Calif.....	1	
Chicago, Ill.....		1	Oklahoma City, Okla.....		1
Covington, Ky.....	1		Philadelphia, Pa.....	4	
Dallas, Tex.....	1		Port Huron, Mich.....	1	
Denver, Colo.....		1	Portland, Me.....	5	
Detroit, Mich.....	2		Redlands, Calif.....	1	
Duluth, Minn.....		1	Sacramento, Calif.....	1	
Galveston, Tex.....	3		St. Paul, Minn.....	1	
Independence, Mo.....	1	1	Salt Lake City, Utah.....	1	
Indianapolis, Ind.....	1		San Francisco, Calif.....	1	
Kansas City, Mo.....	2	1	Savannah, Ga.....		1
Louisville, Ky.....	1	1	Scranton, Pa.....	1	
Martinsburg, W. Va.....	1	1	Troy, N. Y.....	1	
Memphis, Tenn.....		1			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended Feb. 21, 1920.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak.....	15,926		9				9			
Aberdeen, Wash.....	21,392				1					
Adams, Mass.....	14,406	2								
Akron, Ohio.....	93,604	46	7		138		106		1	
Alameda, Calif.....	28,433	11	8		60		1			
Albany, N. Y.....	106,632		1		3		15		12	
Alexandria, Va.....	17,939	3								
Allentown, Pa.....	65,109		4		1		5		2	
Alton, Ill.....	23,783	6			1		1		1	
Altoona, Pa.....	59,712		5		1		2		1	
Amesbury, Mass.....	10,200	1								
Anaconda, Mont.....	10,631	3								
Anderson, Ind.....	24,230	10								2
Ann Arbor, Mich.....	15,041	23			10					
Anniston, Ala.....	14,326								2	
Ansonia, Conn.....	16,954	10	1		28					
Appleton, Wis.....	18,005		1				3			
Arlington, Mass.....	13,073	12			19		1			
Asbury Park, N. J.....	14,629	2								
Ashtabula, Ohio.....	22,008	13	1		1	1			1	1
Atlanta, Ga.....	196,144	164	2		43		6		3	3
Atlantic City, N. J.....	59,515	19	1		95		1		1	1
Attleboro, Mass.....	19,776	8			1		1		1	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Auburn, Me.	18,807	4			1					
Auburn, N. Y.	37,823	18	2	1	2		2			1
Austin, Tex.	35,612	11	2							1
Baltimore, Md.	594,637	481	30	5	184	1	56		42	36
Barberton, Ohio	14,187	15			17		5			
Baton Rouge, La.	17,844	6	2		1		3		2	2
Battle Creek, Mich.	30,150		3		10		15			
Bayonne, N. J.	72,204		3		1		5			
Beatrice, Nebr.	10,437	3								
Beaumont, Tex.	28,851	18								2
Bedford, Ind.	10,612	3			7					
Belleville, N. J.	12,797				9				1	
Bellingham, Wash.	34,362				3		2			
Beloit, Wis.	18,547						1			
Benton Harbor, Mich.	11,099				3					
Berkeley, Calif.	60,427	13	2		100		3			1
Berlin, N. H.	13,892	6							1	
Bethlehem, Pa.	14,353		3		1				1	
Beverly, Mass.	22,128	17							2	
Biddeford, Me.	17,760	6					4			
Billings, Mont.	15,123	6			4					
Binghamton, N. Y.	54,864	33	1		1		1			
Birmingham, Ala.	189,716	119	7		3		3		5	2
Bloomfield, N. J.	19,013	6			12				1	
Bloomington, Ill.	27,462	18	2				4		1	
Bloomington, Ind.	11,661	8	1		12		1			1
Blusfield, W. Va.	16,123	2	2							
Boise, Idaho	35,951	7								
Boston, Mass.	707,813	483	49	4	264	2	77	2	39	27
Bradock, Pa.	22,000				14		1		1	
Brasil, Ind.	10,473	1					1			
Bridgeport, Conn.	124,724	64	11	4	7		2		2	1
Bristol, Conn.	16,318	8							1	
Brookton, Mass.	69,152	36	3	1	21	1	3		1	2
Brookline, Mass.	33,876	16			1		1		1	
Brunswick, Ga.	10,394	6			1		1		1	
Buffalo, N. Y.	475,781	288	64	7	75	1	12		13	19
Burlington, Iowa	25,144						2			1
Burlington, Vt.	21,802	7	1						3	
Butler, Pa.	28,677		1				3			
Butte, Mont.	44,057	20					2		4	4
Cadillac, Mich.	10,168	9	1		10				1	1
Cairo, Ill.	15,995	17			19					2
Cambridge, Mass.	114,293	54	9		5		11		3	2
Canton, Ill.	13,674	6								
Canton, Ohio	62,566	18	2		2		9	1	1	1
Centralia, Ill.	11,838	8			1					
Chambersburg, Pa.	12,473				18					
Chanute, Kans.	12,968	5					1			
Charleston, S. C.	61,041	70	1				1			2
Charleston, W. Va.	31,080	9	2				2			
Charlotte, N. C.	40,759	18								1
Chattanooga, Tenn.	61,575	66								3
Chelsea, Mass.	45,405	22	2		1		2		2	1
Chester, Pa.	41,857				11					
Cheyenne, Wyo.	11,320	5	2	2	8		2			1
Chicago, Ill.	2,647,201	882	136	11	261	5	273	8	257	62
Chicopee, Mass.	29,950	18	5	1		1	1			
Chillicothe, Ohio	15,625	4			1					
Cincinnati, Ohio	414,248	208	11	1	208	3	67	2	30	15
Cleveland, Ohio	602,259	380	29	2	216	6	53		21	23
Cinton, Iowa	27,678						1			
Cinton, Mass.	13,075	4								
Coatesville, Pa.	14,998		2							
Coffeyville, Kans.	15,331	8	1				1			2
Cohoes, N. Y.	25,202	14								1
Columbia, S. C.	35,165		1							
Columbus, Ga.	28,306	31								
Columbus, Ohio	239,135	144	2		57	1	10	1	3	5
Cornwall, N. H.	23,368	11			50				1	
Corpus Christi, Tex.	10,780	4								

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cortland, N. Y.	13,321	7					4			
Council Bluffs, Iowa.	31,838	16	1		3		9			
Covington, Ky.	59,623	42	3		33		3			
Cranston, R. I.	26,773	7								
Cumberland, Md.	26,686	32			1		1		1	
Dallas, Tex.	129,738	73	5		2	1	1		32	14
Danbury, Conn.	22,931	6			9		1			
Danvers, Mass.	10,937						3			
Darville, Va.	20,183									1
Davenport, Iowa.	49,618		1				1			
Dayton, Ohio.	128,939	60	2		33		4		2	
Decatur, Ill.	41,483	18	1		75					
Dedham, Mass.	10,618	7			3		1		1	
Denver, Colo.	268,439	138	9		52	1	18			16
Des Moines, Iowa.	104,052	3			1		4			
Detroit, Mich.	619,648	407	88	6	109	7	81	4	47	19
Dover, N. H.	13,276				1		1			
Du Bois, Pa.	14,994				27		4			
Dubuque, Iowa.	40,696				1		1			
Duluth, Minn.	97,677	26	4		3		2			2
Dunmore, Pa.	21,286		1				2			
Durham, N. C.	26,160	12	1				4			1
East Chicago, Ind.	30,296	21								
East Cleveland, Ohio.	13,864				30		3			
Easthampton, Mass.	10,656	1	1		3		7		1	
Easton, Pa.	30,854		2		1					
East Orange, N. J.	43,761	18	4		48		2		1	2
East Providence, R. I.	18,485		2							
East St. Louis, Ill.	77,312	32	1		44	1	1		2	
Eau Claire, Wis.	18,887		1		3		2		3	
Elgin, Ill.	26,502	11	1				3			2
Elizabeth, N. J.	89,830	54	2		123	2	7		3	2
Elkhart, Ind.	24,273	18					3			1
Elkhart, N. Y.	24,272	28			27	2				
El Paso, Tex.	98,149	81		1		1				22
Elwood, Ind.	11,028				7					
Essex, N. J.	12,003	3	1		12		1			
Evans, Pa.	76,592		4		26		39		2	
Evansville, Ind.	29,304	8	6				4		1	
Evansville, Mass.	40,160	17	11		13				1	2
Evansville, Wash.	37,205				2				1	
Farmington, W. Va.	16,111		2				2			
Farmington, Mass.	120,828	54	6		2		2		5	4
Fargo, N. Dak.	17,872	7					9			
Farmington, Pa.	10,190				3		1			
Farmington, Ohio.	14,858	5	1		3					
Farmington, Mich.	57,386	46	10		4		9			1
Fort Dodge, Iowa.	21,039	9	2		1					
Fort Smith, Ark.	29,390		1							
Fort Worth, Tex.	109,597	51	7				2		2	2
Framingham, Mass.	14,149	15			3					
Freeport, Ill.	19,844	12	1		1					
Fremont, Nebr.	10,030	6								
Fremont, Ohio.	11,034	12			6					
Galesburg, Ill.	24,629	17								
Galveston, Tex.	42,650	22	3	1						
Gardner, Mass.	17,534	11								
Gary, Ind.	56,006	20			3		3			
Geneva, N. Y.	13,915	5			1					
Glens Falls, N. Y.	17,160	4	1							
Gloucester City, N. J.	11,375				3					
Grand Rapids, Mich.	132,861	79			65		1		6	3
Granite City, Ill.	15,890	5	4		13		1		1	
Great Falls, Mont.	13,948	23	1				1	1	1	1
Greely, Colo.	11,942	6								
Greenfield, Mass.	12,251	6			6		6	1		
Greensboro, N. C.	20,171	24								
Greensburg, Pa.	15,881				3					
Greenwich, Conn.	19,594				1					
Hackensack, N. J.	17,412	11	2	1	10		1			
Hammond, Ind.	27,016	15			10		5			

Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Report for Week Ended Feb. 21, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Harrisburg, Pa.	73,276	.....	2	.....	2	.....	1	.....	.....	.....
Harrison, N. J.	17,345	.....	2	.....	.....	.....	.....	.....	.....	.....
Hartford, Conn.	112,831	120	18	.....	10	.....	7	.....	1	3
Haverhill, Mass.	49,180	37	4	.....	.....	.....	3	.....	3	2
Hazleton, Pa.	28,981	.....	.....	.....	.....	.....	1	.....	.....	.....
Hibbing, Minn.	17,550	.....	.....	.....	.....	.....	1	.....	.....	.....
Hoboken, N. J.	78,324	34	3	1	24	.....	.....	.....	5	1
Holland, Mich.	12,459	5	.....	.....	.....	.....	.....	.....	.....	.....
Holyoke, Mass.	66,503	38	2	.....	12	.....	.....	.....	2	2
Homestead, Pa.	23,071	.....	.....	.....	7	.....	.....	.....	2	.....
Hudson, N. Y.	12,888	8	.....	.....	.....	.....	.....	.....	.....	1
Huntington, Ind.	10,982	3	.....	.....	1	.....	1	.....	.....	.....
Huntington, W. Va.	47,686	33	.....	.....	.....	.....	1	.....	.....	2
Independence, Mo.	11,964	19	.....	.....	.....	.....	.....	.....	1	1
Indianapolis, Ind.	283,622	167	1	.....	.....	.....	16	.....	6	8
Ironton, Ohio	14,079	7	.....	.....	.....	.....	.....	.....	.....	.....
Ironwood, Mich.	15,095	11	.....	.....	.....	.....	.....	.....	1	.....
Irrington, N. J.	16,710	.....	2	.....	17	.....	.....	.....	.....	.....
Ishtepemig, Mich.	12,448	3	.....	.....	.....	.....	.....	.....	.....	.....
Ithaca, N. Y.	16,017	11	.....	.....	.....	.....	2	.....	3	.....
Jacksonville, Ill.	15,506	17	.....	.....	.....	.....	.....	.....	.....	.....
Jamestown, N. Y.	37,431	19	.....	.....	2	.....	2	.....	.....	.....
Janesville, Wis.	14,411	4	.....	.....	6	.....	1	.....	.....	1
Jefferson City, Mo.	13,712	6	.....	.....	.....	.....	.....	.....	.....	.....
Jersey City, N. J.	312,557	.....	19	.....	58	.....	6	.....	10	.....
Johnstown, Pa.	70,473	.....	.....	.....	10	.....	.....	.....	2	.....
Joplin, Mo.	33,400	6	.....	.....	.....	.....	.....	.....	.....	.....
Kalamazoo, Mich.	50,408	47	.....	.....	.....	.....	4	.....	.....	2
Kankakee, Ill.	14,270	4	.....	.....	.....	.....	.....	.....	.....	.....
Kansas City, Kans.	102,096	.....	1	.....	35	.....	4	.....	2	.....
Kansas City, Mo.	305,816	175	8	1	74	3	25	.....	12	11
Kearny, N. J.	24,325	12	1	.....	12	.....	.....	.....	3	.....
Keene, N. H.	10,725	7	.....	.....	.....	.....	.....	.....	.....	.....
Kenosha, Wis.	32,853	.....	.....	.....	.....	.....	4	.....	.....	.....
Kewanee, Ill.	13,607	8	1	.....	.....	.....	1	.....	.....	.....
Kokomo, Ind.	21,929	18	.....	.....	1	.....	1	.....	.....	1
Lackawanna, N. Y.	16,219	3	1	.....	1	.....	.....	.....	1	.....
La Fayette, Ind.	21,481	22	.....	.....	3	.....	6	.....	.....	3
Lake Charles, La.	14,930	3	.....	.....	.....	.....	.....	.....	.....	1
Lancaster, Ohio	16,086	9	.....	.....	.....	.....	.....	.....	.....	.....
Lancaster, Pa.	51,437	.....	8	.....	27	.....	.....	.....	2	.....
Lawrence, Kans.	13,477	4	.....	.....	.....	.....	.....	.....	1	.....
Lawrence, Mass.	102,923	58	5	1	.....	.....	7	1	3	8
Leavenworth, Kans.	19,363	24	2	1	.....	.....	.....	.....	.....	.....
Lebanon, Pa.	20,947	.....	.....	.....	1	.....	1	.....	.....	.....
Leominster, Mass.	21,365	11	.....	.....	2	.....	2	.....	.....	.....
Lexington, Ky.	41,997	26	.....	.....	2	.....	1	.....	.....	4
Lima, Ohio	37,145	31	.....	.....	6	.....	1	.....	.....	.....
Lincoln, Nebr.	46,957	20	1	.....	21	.....	3	.....	.....	.....
Lockport, N. Y.	20,028	6	.....	.....	.....	.....	1	.....	.....	.....
Logansport, Ind.	21,338	11	.....	.....	64	1	8	1	.....	.....
Long Beach, Calif.	29,163	25	1	.....	7	.....	4	.....	.....	.....
Lorain, Ohio	38,266	.....	.....	.....	.....	.....	1	.....	1	.....
Los Angeles, Calif.	535,485	242	28	2	58	.....	27	.....	60	22
Louisville, Ky.	240,808	125	13	1	4	.....	7	.....	11	2
Lowell, Mass.	114,366	73	4	1	.....	.....	5	.....	3	5
Lynchburg, Va.	35,497	19	1	.....	.....	.....	.....	.....	.....	1
Lynn, Mass.	104,534	61	8	.....	.....	.....	15	.....	5	2
McKeesport, Pa.	45,299	.....	.....	.....	13	.....	1	.....	.....	.....
McKees Rocks, Pa.	20,795	.....	.....	.....	1	.....	.....	.....	.....	.....
Macon, Ga.	46,099	26	.....	.....	5	.....	.....	.....	.....	.....
Madison, Wis.	31,515	.....	.....	.....	8	.....	.....	.....	.....	.....
Mahogany City, Pa.	17,709	.....	8	.....	4	.....	1	.....	.....	.....
Malden, Mass.	52,243	12	.....	.....	10	.....	3	.....	1	.....
Manchester, Conn.	15,859	2	.....	.....	1	.....	3	.....	1	.....
Manchester, N. H.	79,607	37	4	.....	6	.....	5	.....	11	1
Manitowoc, Wis.	13,931	.....	.....	.....	1	.....	16	.....	.....	.....
Mankato, Minn.	10,365	3	.....	.....	4	.....	.....	.....	1	.....
Marion, Ind.	19,923	24	1	.....	25	.....	1	.....	.....	2
Marion, Ohio	24,129	.....	2	.....	.....	.....	1	.....	.....	.....
Martinsburg, W. Va.	12,984	.....	1	.....	.....	.....	.....	.....	.....	.....

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Mason City, Iowa	14,938	9	1		1		2			
Mattoon, Ill.	12,764				20		1			
Meadville, Pa.	13,968		2				3			
Medford, Mass.	26,681	19	1		5		6			
Melrose, Mass.	17,724	5			9				1	
Memphis, Tenn.	151,877	94	6		3		4		10	
Meriden, Conn.	29,431		2		1		2			
Methuen, Mass.	14,320	6	1							
Middletown, N. Y.	15,990						10			
Middletown, Ohio	16,384	5			2		2			
Milwaukee, Wis.	445,008	147	17		28		38	1	22	
Minneapolis, Minn.	373,448	131	10	3	29		13	1	18	
Mishawaka, Ind.	17,083	5					1			
Missoula, Mont.	19,075	9			1				1	
Mobile, Ala.	59,201	39	1				2			
Monessen, Pa.	23,070				5					
Monmouth, Ill.	10,346	11					1			
Montgomery, Ala.	44,039	13	2				2			
Morristown, W. Va.	14,444	7	1		4				1	
Morristown, N. J.	13,410	7	1				1		1	
Moundsville, W. Va.	11,513	9			7					
Mount Carmel, Pa.	20,709								4	
Mount Vernon, Ill.	10,043	23	1	1	43		1		1	2
Muscataine, Iowa	17,713	11								
Nanticoke, Pa.	23,811						1			
Nashua, N. H.	27,641	18					5			
Nashville, Tenn.	118,136	88	4	1	2		8			
Newark, N. J.	418,789	195	13	1	242	1	18	1	49	15
New Bedford, Mass.	121,622		4	2	11		8		5	
New Britain, Conn.	55,386	36	3		5		7		2	1
New Brunswick, N. J.	25,855				1				1	
Newburyport, Mass.	15,291	11	5				1		1	1
New Castle, Pa.	41,915				15		3			
New Haven, Conn.	152,275	106	6	2	55	2	5		7	3
New London, Conn.	21,199		2		10				4	
New Orleans, La.	377,010	237	7		3		7		19	49
Newport, R. I.	30,585	11					1		2	1
New York, N. Y.	5,737,492	2,480	321	36	2,160	47	145	7	170	380
Niagara Falls, N. Y.	38,486	35			146	1	3			
Norfolk, Va.	91,148		1				1			
Norristown, Pa.	31,969				4		3			
North Adams, Mass.	122,019	13								
Northampton, Mass.	20,006	11			3		2			
North Attleboro, Mass.	11,248	3								
North Braddock, Pa.	15,684				5		1			
North Little Rock, Ark.	15,515	1								
North Tonawanda, N. Y.	14,060	8	2	2	1		1	1	1	
Norwalk, Conn.	27,332	10			4	1				
Norwich, Conn.	21,923	13			15	1				
Oakland, Calif.	206,405	104	4		56	2	11	1	2	
Oak Park, Ill.	27,816	12	3		2		6		1	
Ogden, Utah	32,343	14	3		1					
Oil City, Pa.	20,162		3				2			
Oklahoma City, Okla.	97,588	19	1		39		4			1
Omaha, Nebr.	177,777	61	3		19		25	1		5
Orange, N. J.	33,636	25	1		8				1	1
Oshkosh, Wis.	36,549		2		32		2		1	
Paducah, Ky.	25,178				4					
Parkersburg, W. Va.	21,069	10	1		1		1			
Parsons, Kans.	15,362		2		2					
Pasadena, Calif.	49,620	18			3		1			1
Passaic, N. J.	74,478	37			4				5	2
Paterson, N. J.	140,512	28	7		55		4		2	
Pawtucket, R. I.	60,666	26	1				3			
Peachkill, N. Y.	19,034	6								1
Pekin, Ill.	16,973		1				1		1	
Peoria, Ill.	72,134	41	1		2		6			
Petersburg, Va.	25,817	17								
Philadelphia, Pa.	1,735,514	1,256	73	14	632	7	76	4	97	78
Phillipsburg, N. J.	15,879	6							1	1

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Phoenixville, Pa.	11,871		3						2	
Pine Bluff, Ark.	17,777		1						1	
Piqua, Ohio	14,275	8	1		7					1
Pittsburgh, Pa.	586,196		28		281		16		25	
Pittsfield, Mass.	39,678	22					1		2	
Plainfield, N. J.	24,330	14	1	2	4	1	3			
Plattsburg, N. Y.	13,111	3								
Plymouth, Mass.	14,001	8								1
Plymouth, Pa.	19,439						1		3	
Pontiac, Mich.	18,006		3		5					
Port Chester, N. Y.	16,727	9	4	1	1					
Port Huron, Mich.	18,963	18	1		25					1
Portland, Me.	64,720	47	4		4		12			3
Portland, Oreg.	308,899	119	5	1	4		10		5	3
Portsmouth, N. H.	11,730		3		3		1			
Pottstown, Pa.	16,987		5		1		3			
Poughkeepsie, N. Y.	30,786	14	2				1		1	1
Providence, R. I.	256,895	198	36	5	17	1	14	1		6
Provo, Utah	10,923				1					
Pueblo, Colo.	56,084									5
Quincy, Mass.	38,022	17	3				11			
Racine, Wis.	47,465				5		2			
Rahway, N. J.	10,361	4								1
Raleigh, N. C.	20,274	26							4	
Reading, Pa.	111,607		4				2			
Redlands, Calif.	14,573	5	1		2					1
Reno, Nev.	15,514	11			11				1	1
Richmond, Ind.	25,080	11	4		29				1	2
Richmond, Va.	158,702	80	3		57	1	2		10	5
Riverside, Calif.	20,496	7	1		1				1	
Roanoke, Va.	46,282	25	2							
Rochester, N. Y.	204,714	87	20	2	129		13		3	2
Rockford, Ill.	56,739	21	7	1			20			5
Rock Island, Ill.	29,452	9			13					2
Rocky Mount, N. C.	12,673	10								
Rutland, Vt.	15,088	6								
Sacramento, Calif.	68,984	29	1		20		1		2	3
Saginaw, Mich.	56,469	62			34	2				
St. Cloud, Minn.	12,013		2				2			
St. Joseph, Mo.	86,498	70	1				4			3
St. Louis, Mo.	768,630	322	85	3	544	9	32		42	19
St. Paul, Minn.	252,465	78	17	1	8		11		4	5
Salem, Mass.	49,346	20	5				1		1	2
Salt Lake City, Utah	121,623	73	1				3		1	6
San Angelo, Tex.	10,321	14								2
San Diego, Calif.	56,412	45			2		2		1	1
Sandusky, Ohio	20,226	13			11					
Sanford, Me.	11,217	4								
San Francisco, Calif.	471,023	263	30	1	289	1	23	2	45	14
Santa Barbara, Calif.	15,360	8								
Saratoga Springs, N. Y.	13,839	11	1		1				1	
Sault Ste. Marie, Mich.	14,130	11	1		7		3			1
Savannah, Ga.	66,250	94	2		2		1			6
Schenectady, N. Y.	103,774	29			29		5		5	
Scranton, Pa.	149,541		5		15		8			
Seattle, Wash.	366,445		10		152		14			
Shamokin, Pa.	21,274		1		1					
Sharon, Pa.	19,156		1		3		2		2	
Sheboygan, Wis.	28,907		1		32		13			
Shenandoah, Pa.	29,753				1					
Sioux City, Iowa	58,568		1				5			
Sioux Falls, S. Dak.	16,887	33			4		3			
Somerville, Mass.	88,618	49			8		9		2	1
South Bend, Ind.	70,967	12					1		1	2
Southbridge, Mass.	14,465	2	1							
Spokane, Wash.	157,656		1		30		7			
Springfield, Ill.	62,023	37					1			2
Springfield, Mass.	108,068		1	1	32	1	4		3	3
Springfield, Mo.	41,109	31								
Springfield, Ohio	52,296	26							1	3
Stamton, Va.	11,823	7								

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Feb. 21, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Steelton, Pa.	15,759				4					
Stenbenville, Ohio	28,259	24					1			
Stillwater, Minn.	110,198	2								
Sunbury, Pa.	16,661				5		2			
Superior, Wis.	47,167	9			43	3				
Syracuse, N. Y.	158,559	70	1		4		27	2	5	3
Tacoma, Wash.	117,446		2		28		6			
Taunton, Mass.	36,610	23	1							1
Terre Haute, Ind.	67,361	31	1		22		2			
Tiffin, Ohio.	12,962	3			19					
Toledo, Ohio.	202,010	123	4	1	252	3	35	2	6	7
Topeka, Kans.	49,538	27	1		1					1
Traverse City, Mich.	14,080	2								
Trenton, N. J.	113,974	64	3		1				3	3
Trinidad, Colo.	14,413				1					
Troy, N. Y.	78,094	38	1						2	
Tucson, Ariz.	17,324	16					1			
Uniontown, Pa.	21,600		2		21		7			
Vallejo, Calif.	13,803	8								1
Vancouver, Wash.	13,805		1		1		1			
Waco, Tex.	34,015	30	1	1	1		1			1
Walla Walla, Wash.	26,067						2			
Waltham, Mass.	31,011	15			1		1		2	1
Warren, Pa.	15,063		1							
Washington, D. C.	369,282	187	18	1	17		24		17	15
Washington, Pa.	22,076				8					
Watertown, Mass.	15,188	12	1		8		2			
Watertown, N. Y.	30,404		1	1			5			1
Wausau, Wis.	19,666	15			56		1			
West Chester, Pa.	13,403		1				1			
Westfield, Mass.	18,769	6	2				2		3	1
West Hoboken, N. J.	44,386	12	2		4		2			2
West New York, N. J.	19,613	9	1	1	22				1	
West Orange, N. J.	13,964	3	1				2			
Wheeling, W. Va.	43,657	59	4	1	43					2
Wichita, Kans.	73,597	52	2		4		4		1	2
Wilkes-Barre, Pa.	78,334		4				5			
Wilkinsburg, Pa.	23,899		2		49		2			
Williamsport, Pa.	34,123		1		3		1			
Wilmington, Del.	95,369	58			21		2			2
Wilmington, N. C.	30,400	27			2		2			1
Winchester, Mass.	10,812	5	2		5		1			
Winona, Minn.	18,563	12			5					1
Winston-Salem, N. C.	33,136	34	2	1					5	1
Winthrop, Mass.	13,105	5			4					
Woburn, Mass.	16,076	9								
Worcester, Mass.	166,106	102	1	1			21	2	9	6
Yakima, Wash.	22,058				1		7		1	
Yonkers, N. Y.	108,066	41	5	1	13		2		10	4
York, Pa.	52,770		6		28		49		2	
Zanesville, Ohio.	31,320	15			2					1

1 Population Apr. 15, 1910

FOREIGN AND INSULAR.

AZORES.

Further Relative to Quarantine Against Influenza.¹

According to information dated February 24, 1920, quarantine restrictions at ports in the Azores have been modified to admit vessels from infected ports on which no cases of influenza have existed for three days prior to arrival.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Feb. 1-10, 1920.		Remain- ing under treatment Feb. 10, 1920.
	New cases.	Deaths.	
Bronchopneumonia.....	30	22	
Chicken pox.....	11		20
Diphtheria.....	1		
Influenza.....		21	
Leprosy.....			19
Malaria.....	6	1	150
Measles.....	37		26
Paratyphoid fever.....			1
Pneumonia.....	4	3	1
Scarlet fever.....			1
Smallpox.....	2		8
Typhoid fever.....	12	2	32

¹ From the interior, 9.

² From the interior, 12.

INFLUENZA.

The following information was taken from reports received during the week ended March 12, 1920:

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Departments—				
Algiers.....	Jan. 11-20.....	22		
Constantine.....	do.....	28		
Bahamas:				
Nassau.....	Feb. 5-18.....	350	4	
Brazil:				
Bahia.....	Nov. 23-29.....	2	2	
Rio de Janeiro.....	Dec. 28-Jan. 17.....	30		
Sao Paulo.....	Dec. 15-23.....		2	
Do.....	Dec. 29-Jan. 11.....		3	

¹ Public Health Reports, Feb. 27, 1920, p. 501.

INFLUENZA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
British Columbia—				
Vancouver.....	Feb. 1-7.....	89	3	
Victoria.....	Feb. 15-21.....		4	
New Brunswick—				
Moncton.....	do.....	10		
St. Johns.....	do.....	87	4	
Nova Scotia—				
Halifax.....	do.....	63		
Port Hawkesbury.....	do.....	15		
Ontario—				
Bathurst.....	do.....	30		
Fort William and Port Arthur.....	do.....	108	9	
Hamilton.....	Feb. 22-28.....	873		
Ottawa.....	Feb. 1-14.....	89		
Sarnia.....	Feb. 15-21.....	183	6	
Toronto.....	do.....		128	85 deaths with pneumonia, acute and primary.
Windsor.....	do.....		7	
Quebec—				
Montreal.....	Feb. 14-28.....			Present. Feb. 28, reported subsiding.
Quebec.....	Feb. 15-21.....	112	1	
Saskatchewan—				
Regina.....	Feb. 8-21.....	100	16	
Saskatoon.....	Feb. 15-21.....	62	1	
Canary Islands:				
Santa Cruz de Tenerife.....	Jan. 18-31.....			Present. Also present at Las Palmas.
China:				
Amoy.....	Jan. 6-12.....			Present.
Changsha.....	Jan. 18-24.....			Do.
Hankow.....	do.....			Do.
Cuba:				
Cienfuegos.....	Feb. 15-28.....	60	1	
Egypt:				
Alexandria.....	Feb. 8-21.....	255	19	
France:				
Bordeaux.....	Dec. 28-Feb. 1.....	14		
Paris.....	Jan. 11-20.....		130	
St. Etienne.....	Jan. 18-31.....		14	77 deaths from pneumonia.
Gibraltar.....	Jan. 25-Feb. 7.....		6	
India:				
Karachi.....	Jan. 4-17.....	286	286	
Madras.....	Jan. 4-10.....		15	
Rangoon.....	Dec. 28-Jan. 3.....		28	
Japan:				
Nagoya.....	Jan. 26-31.....		61	
Malta.....				Nov. 1-30, 1919: Cases, 15.
Mexico:				
Chihuahua.....	Feb. 1-15.....	65	2	
Ciudad Juarez.....	Feb. 15-21.....		3	
Piedras Negras.....	do.....		1	
Saltito.....	do.....		3	Pneumonia, 3 deaths.
New Zealand:				
Dunedin.....	Dec. 16-22.....	1		
Spain:				
Valencia.....	Feb. 1-7.....	7	6	
Union of South Africa:				
Durban.....	Dec. 1-31.....		4	
East London.....	Oct. 18-Nov. 15.....	21		
Switzerland:				
Basel.....	Jan. 4-17.....	112		
Zurich.....	Jan. 11-Feb. 4.....	87		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended Mar. 12, 1920. ¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Madras.....	Jan. 4-10.....	1	.....
Rangoon.....	Dec. 28-Jan. 3.....	1	1	
Philippine Islands:				
Provinces.....				Jan. 18-24, 1920: Cases, 139;
Albay.....	Jan. 18-24.....	1	1	deaths, 87.
Ambos Camarines.....	.....do.....	67	42	
Antique.....	.....do.....	28	13	
Mindoro.....	.....do.....	2	1	
Palawan.....	.....do.....	3	2	
Samar.....	.....do.....	17	11	
Sorsogon.....	.....do.....	10	8	
Tayabas.....	.....do.....	11	9	
Siam:				
Bangkok.....	Dec. 21-27.....	48	20	
Straits Settlements:				
Singapore.....	.....do.....	1	1	
Do.....	Dec. 28-Jan. 3.....	1	.....

PLAGUE.

Brazil:				
Rio de Janeiro.....	Jan. 11-17.....	1	.....
Hawaii:				
Kaloha.....	Feb. 23.....	1	1	
India:				Dec. 28, 1919-Jan. 3, 1920: Cases,
Karachi.....	Jan. 11-17.....	2	.....	2,811; deaths, 2,260.
Rangoon.....	Dec. 28-Jan. 3.....	7	7	
Straits Settlements:				
Singapore.....	Dec. 21-27.....	1	2	

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	Jan. 11-20.....	29	.....
Constantine.....	.....do.....	30	.....
Arabia:				
Aden.....	Jan. 14-20.....	.....	1	
Brazil:				
Bahia.....	Nov. 23-Dec. 27.....	1,516	1,109	
Do.....	Dec. 28-Jan. 17.....	311	237	
Rio de Janeiro.....	.....do.....	.....	13	
Santos.....	Nov. 24-30.....	.....	1	
Canada:				
Ontario.....				Feb. 8-14, 1920: Cases, 168;
Kingston.....	Feb. 8-14.....	2	.....	deaths, 3. In 22 counties, 37
Ottawa.....	Feb. 1-14.....	7	.....	localities.
China:				
Chungking.....	Jan. 4-10.....	.....	.....	Present.
Foochow.....	Jan. 11-24.....	.....	.....	Do.
Nanking.....	Jan. 18-24.....	.....	.....	Do.
Chosen:				
Chemulpo.....	Dec. 1-31.....	1	1	
Fusan.....	.....do.....	10	.....
Seoul.....	.....do.....	10	3	
Egypt:				
Cairo.....	Dec. 10-16.....	10	5	
Port Said.....	.....do.....	4	.....
Greece:				
Saloniki.....	Jan. 5-11.....	8	8	
India:				
Bombay.....	Dec. 28-Jan. 3.....	2	3	
Rangoon.....	.....do.....	4	2	
Italy:				
Genoa.....	Jan. 5-11.....	1	.....	Province, Jan. 12-18, 1920: Cases,
Messina.....	Jan. 19-25.....	7	1	13.
Palermo.....	Jan. 26-Feb. 1.....	2	.....	Province, 31 cases, 1 death. In-
				cluding San Fratello, 6 cases.

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended Mar. 12, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Chihuahua.....	Feb. 1-15.....	1	3	
Guadalupe.....	Jan. 1-31.....	1		
Tehuantepec.....	Jan. 19-31.....	3		
Newfoundland:				
St. Johns.....	Feb. 14-20.....	2		Outports, 1. At 3 other localities.
Portugal:				
Lisbon.....	Jan. 25-31.....		13	
Spain:				
Barcelona.....	Jan. 22-28.....		3	
Tunis:				
Tunis.....	Jan. 26-Feb. 8....	3	1	

TYPHUS FEVER.

Algeria:				
Department—				
Algiers.....	Jan. 11-20.....	1		
Constantine.....	do.....	2		
Oran.....	do.....	1		
Egypt:				
Cairo.....	Dec. 10-16.....	10	4	
Port Said.....	do.....	1		
Greece:				
Saloniki.....	Jan. 5-11.....	2		
Mexico:				
Mexico City.....	Dec. 21-27.....	23		
Do.....	Dec. 23-Feb. 7....	132		
Tunis:				
Tunis.....	Feb. 2-8.....	1		

Reports Received from Dec. 27, 1919, to Mar. 5, 1920.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 4-17.....		2	
Chosen (Korea):				
Chemulpo.....	Oct. 1-31.....	6	4	Oct. 20-Nov. 16, 1919: Cases, 3,525; deaths, 3,144. Aug. 14-Nov. 16, 1919: Cases, 28,192; deaths, 9,823.
Fusan.....	do.....	34	30	
Provinces—				
Keiki.....	Aug. 15-Nov. 16...	224	135	
Kogen.....	do.....	64	38	
Kokai.....	do.....	4,015	2,770	
North Chusei.....	do.....	1	1	
North Heian.....	do.....	3,196	2,434	
North Kankyo.....	do.....	497	275	
North Keisho.....	do.....	63	35	
North Zenra.....	do.....	1,326	692	
South Chusei.....	do.....	930	590	
South Heian.....	do.....	3,031	1,858	
South Kankyo.....	do.....	570	551	
South Keisho.....	do.....	318	156	
South Zenra.....	do.....	657	288	
Greece:				
Saloniki.....	Oct. 10.....	1		
India:				
Bombay.....	Nov. 2-8.....	1	1	Oct. 19-Nov. 29, 1919: Deaths, 15,698.
Calcutta.....	Oct. 26-Dec. 27...	181	166	
Do.....	Dec. 28-Jan. 3....	11	9	
Madras.....	Nov. 23-Dec. 27...	14	5	
Do.....	Dec. 28-Jan. 3....	5	5	
Rangoon.....	Nov. 30-Dec. 27...	12	9	
Indo-China:				
Saigon.....	Oct. 27-Nov. 23...	5	4	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Kobe.....	Nov. 24-30.....	2		
Taiwan.....				For entire island: Oct. 22-Nov. 30, 1919: Cases, 651; deaths, 385.
Tokyo.....	Nov. 10-20.....	1	1	
Java:				
East Java.....				Oct. 5-11, 1919: One case, 1 death. At Pasoeroean.
West Java.....				Nov. 5, Dec. 23, 1919: Cases, 17.
Batavia.....	Nov. 5-Dec. 25.....	17		
Philippine Islands:				
Manila.....	Nov. 2-Dec. 27.....	20	10	
Provinces.....				Nov. 2-Dec. 27, 1919: Cases, 1,574; deaths, 1,151.
Albay.....	Nov. 2-Dec. 27.....	339	240	
Ambos Camarines.....	Nov. 2-Dec. 20.....	66	34	
Antique.....	Nov. 2-Dec. 27.....	160	113	
Batangas.....	do.....	39	28	
Bohol.....	do.....	34	27	
Cagayan.....	Nov. 3-15.....	35	20	
Capiz.....	Nov. 2-8.....	6	5	
Carite.....	Nov. 2-Dec. 6.....	25	16	
Cebu.....	Nov. 2-Dec. 20.....	23	14	
Davao.....	Nov. 9-15.....	6	4	
Ilocos Notre.....	Nov. 2-29.....	42	40	
Ilocos Sur.....	Nov. 2-22.....	18	15	
Iloilo.....	Nov. 2-Dec. 20.....	55	33	
Isabela.....	Nov. 2-Dec. 13.....	167	77	
Laguna.....	Nov. 2-Dec. 20.....	23	17	
Mindoro.....	Nov. 2-Dec. 6.....	81	30	
Mountain.....	Nov. 2-Dec. 13.....	6	4	
Occidental Negros.....	Nov. 2-Dec. 27.....	100	53	
Pangasinan.....	Nov. 20-Dec. 20.....	60	46	
Rizal.....	do.....	41	15	
Sorsogon.....	Nov. 2-Dec. 13.....	208	139	
Tarlac.....	Nov. 2-22.....	11	11	
Tayabas.....	Nov. 2-Dec. 27.....	60	35	
Union.....	Nov. 9-15.....	5	5	
Provinces.....				Dec. 28, 1919-Jan. 17, 1920: Cases, 339; deaths, 226.
Albay.....	Dec. 28-Jan. 17.....	26	13	
Ambos Camarines.....	Dec. 28-Jan. 3.....	7	8	
Antique.....	Dec. 28-Jan. 17.....	136	94	
Batangas.....	do.....	13	7	
Carite.....	Jan. 11-17.....	1	1	
Iloilo.....	Dec. 28-Jan. 3.....	9	2	
Isabela.....	Jan. 11-17.....	6	3	
Laguna.....	Dec. 28-Jan. 3.....	2	2	
Mindoro.....	Jan. 4-17.....	22	10	
Mountain.....	Dec. 28-Jan. 10.....	11	6	
Occidental Negros.....	Jan. 4-17.....	21	19	
Palawan.....	Jan. 11-17.....	4		
Pangasinan.....	Dec. 28-Jan. 3.....	1		
Samar.....	Jan. 4-17.....	27	19	
Sorsogon.....	Jan. 4-10.....	41	32	
Tayabas.....	do.....	12	10	
Poland:				
Garwolin.....				Present in November, 1919.
Kowal.....				Do.
Stryl.....				Do.
Russia:				
Novorossisk.....	Nov. 8-11.....	3		
Odesa.....	Oct. 25-Nov. 7.....	98		
Siam:				
Bankok.....	Dec. 7-20.....	115	37	
Straits Settlements:				Oct. 5-Dec. 15, 1919: Deaths, 1,080.
Singapore.....	Oct. 5-Nov. 28.....	14	13	
Sumatra:				
Deli.....	Oct. 1-31.....	1	1	

PLAGUE.

Argentina:				
Rosario.....	Dec. 1-31.....		7	
Brazil:				
Bahia.....	Nov. 9-15.....	1	1	
Porto Alegre.....	Nov. 1-30.....		3	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.****PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
British East Africa: Kisumu.....	Sept. 28-Nov. 1....	6	6	Dec. 14-20, 1919: Present in vicinity.
Ceylon: Colombo.....	Oct. 26-Dec. 27....	36	35	
Chile: Antofagasta.....	Dec. 8-14.....	1	.....
China: Hongkong.....	Dec. 7-13.....	1	.....
Ecuador: Guayaquil.....	Nov. 1-31.....	2	Jan. 1-Dec. 25, 1919: Cases, 867; deaths, 469. From vessel Rachid Pacha.
Do.....	Jan. 1-31.....	8	.....
Egypt: Cities— Alexandria.....	Dec. 3.....	1	1	
Province— Assiout.....	Nov. 15-21.....	30	17	
Do.....	Jan. 13.....	1	1	Oct. 19-Dec. 27, 1919: Cases, 31,542; deaths, 23,443.
Greece: Saloniki.....	Oct. 6-Dec. 21....	19	7	
India: Bombay.....	Oct. 19-Dec. 27....	6	6	
Karachi.....	Nov. 9-29.....	3	2	
Madras Presidency.....	Nov. 9-Dec. 27....	1,068	704	Oct. 19-Nov. 1, 1919: Cases, 10; deaths, 7.
Do.....	Dec. 28-Jan. 3....	106	74	
Rangoon.....	Nov. 2-Dec. 27....	29	27	
Indo-China: Saigon.....	Oct. 27-Dec. 7....	11	9	
Java: East Java.....	Sept. 28-Dec. 16, 1919: Cases, 1,494; deaths, 1,493. Surabaya Residency.
Peru: Callao.....	Nov. 1-30.....	3	Present in surrounding country. And in vicinity.
Paiza.....	Dec. 29-Jan. 17....	23	17	
Salaverry (Trujillo).....	Nov. 23-Dec. 21....	9	1	
Do.....	Dec. 23-Jan. 24....	17	5	
Senegal: Dakar.....	Nov. 1-30.....	146	Including Dakar and vicinity.
Siam: Bangkok.....	Dec. 14-20.....	4	2	Present Dec. 11, 1919. Nov. 14-20, 1919: Present in vicinity.
Straits Settlements: Singapore.....	Oct. 26-Dec. 20....	6	4	
Syria: Beirut.....	Dec. 22.....	29	.....
Turkey: Constantinople.....	Nov. 14-Dec. 20....	11	.....
On vessel: S. S. Kaisar-i-Hind.....	Nov. 28.....	3	At Port Said, Egypt. From Bombay, Nov. 15, for London.

SMALLPOX.

Algeria: Department— Algiers.....	Nov. 11-Dec. 31....	65	Dec. 29, 1918-June 28, 1919: Cases, 28; deaths, 44. Dec. 14-20, 1919: Cases, 7; deaths, 5.
Do.....	Jan. 1-10.....	26	.....
Constantine.....	Nov. 11-Dec. 31....	15	.....
Do.....	Jan. 1-10.....	2	.....
Oran.....	Nov. 11-Dec. 31....	90	.....
Do.....	Jan. 1-10.....	25	.....
South Territory.....	do.....	5	.....
Arabia: Aden.....	Dec. 24-30.....	1	1	
Do.....	Jan. 6-13.....	.....	2
Bolivia: La Paz.....	June 29-Dec. 27....	.....	216
Do.....	Dec. 28-Jan. 24....	13	18	
Brazil: Bahia.....	Oct. 26-Nov. 22....	1,704	1,022	
Pernambuco.....	Nov. 10-16.....	29	4	
Rio de Janeiro.....	Sept. 28-Nov. 23....	372	106	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
British Columbia—				
Vancouver	Nov. 30-Dec. 6	1		
Do	Jan. 4-17	1		
Manitoba—				
Winnipeg	Jan. 11-17	2		
Nova Scotia—				
Halifax	Dec. 21-27	2		
Do	Jan. 4-Feb. 14	4		
Sydney	Dec. 7-13	1		
Do	Dec. 28-Feb. 14	14		
Counties—				
Cumberland	Dec. 14-20			Present.
Inverness	do			Do.
Pictou	do			Do.
Ontario				Nov. 1-29, 1919: Cases, 1,070. Nov. 30-Dec. 6, 1919: Cases, 125, in 45 localities, exclusive of Dysart and Toronto. Dec. 1-31, 1919: Cases, 1,414; deaths, 2 Dec. 28, 1919-Feb. 7, 1920: Cases, 1,351; deaths, 23.
Fort William and Port Arthur	Jan. 25-Feb. 14	5		
Gloucester County				Oct.-Nov., 1919: Cases, 3.
Hamilton	Dec. 14-20	3		
Do	Jan. 4-Feb. 21	23		
Kingston	Dec. 21-27	1		
Do	Dec. 28-Jan. 31	4		
North Bay	Jan. 11-17	3		
Ottawa	Dec. 14-20	1		
Do	Dec. 28-Feb. 14	13		
Peterborough	Dec. 21-27	3		
Do	Dec. 28-Jan. 31	27		
Prescott	Jan. 4-10	1		
Sault Ste. Marie	Dec. 7-27	1		
Do	Dec. 28-Jan. 3	1		
Toronto	Dec. 7-27	727		
Do	Dec. 28-Feb. 7	735	5	
Windsor	Dec. 14-27	2		
Prince Edward Island—				
Summerside	Feb. 14-20	3		In one family.
Quebec—				
Bonaventure and Gaspé Counties	Jan. 1-31	7		
Montreal	Dec. 7-27	3		
Do	Jan. 18-Feb. 20	6		
Quebec	Dec. 7-27	4		
Do	Jan. 4-31	9		
Saskatchewan—				
Moosejaw	Dec. 28-Jan. 31			
Saskatoon	Dec. 14-20	1		
Ceylon:				
Colombo	Nov. 16-Dec. 13	10	9	
China:				
Amoy	Nov. 4-Dec. 22			Present. Dec. 22: Four deaths.
Do	Dec. 30-Jan. 5	1		
Canton	Nov. 2-Dec. 27			Present.
Do	Dec. 28-Jan. 10			Do.
Chungsha	Jan. 4-10	5		
Chungking	do			Do.
Do	Dec. 28-Jan. 3			Do.
Foochow	Nov. 16-Dec. 27			Do.
Do	Dec. 28-Jan. 10			Do.
Mukden	Jan. 18-24			Do.
Nanking	Dec. 6-27			Do.
Do	Dec. 28-Jan. 17			Do.
Shanghai	Dec. 22-28	2		
Chosen (Korea):				
Fusan	Oct. 1-31	2	1	
Seoul	do	9	1	
Colombia:				
Barranquilla	Nov. 16-Dec. 20	50	2	
Do	Jan. 11-17		1	Stated to be epidemic, Jan. 18-24, 1920. Jan. 25-31: Cases, estimated, 200.
Cuba:				
Habana	Jan. 31	4		Children living in same house.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Alexandria.....	Nov. 12-Dec. 16...	23	12	
Do.....	Jan. 1-7.....	9	5	
Cairo.....	Oct. 1-Dec. 9.....	55	26	
Port Said.....	do.....	6	6	
Finland:				
Provinces—				
Nyland.....	July 16-31.....	1		
Tavastehus.....	do.....	1		
Viborg.....	do.....	23		
Finland.....				Oct. 15-31, 1919: Cases, 6.
Provinces—				
Nyland.....	Oct. 15-31.....	4		Helsingfors.
Tavastehus.....	do.....	1		Rural district.
Viborg.....	do.....	1		Do.
Finland.....				Nov. 1-30, 1919: Cases, 45.
Provinces—				
Abo Och Borneborg.....	Nov. 1-15.....	1		
Nyland.....	Nov. 16-Dec. 15.....	24		
St. Michael.....	Dec. 15.....	7		
Tavastehus.....	do.....	5		
Vasa.....	do.....	11		
Viborg.....	Nov. 16-30.....	6		
France:				
Paris.....	Jan. 1-10.....	1	2	
Germany:				
Prussia.....	Oct. 29-Nov. 29.....	1,100	323	Oct. 5-15, 1919: Cases, 32. In addition to previously reported cases; Sept. 23-Oct. 4, 1919: Cases, 26.
Greece:				
Saloniki.....	Nov. 10-Dec. 28.....	26	26	
Do.....	Dec. 29-Jan. 4.....	10	7	In vicinity: Drama, 1 case; Zografitani, 9 cases, 1 death; Serres, 1 case.
India:				
Bombay.....	Oct. 12-Dec. 20.....	46	11	Oct. 19-Nov. 29, 1919: Deaths, 1,908.
Calcutta.....	Oct. 26, Dec. 27.....	186	260	
Do.....	Dec. 23-Jan. 3.....	124	106	
Karachi.....	Dec. 27.....	6	2	
Madras.....	Nov. 2-Dec. 27.....	31	13	
Do.....	Dec. 23-Jan. 3.....	3	1	
Rangoon.....	Oct. 19-Dec. 27.....	51	18	
Indo-China:				
Salgon.....	Oct. 27-Nov. 23.....	2		
Italy:				
Genoa.....	Jan. 4-10.....	1		Province; Nov. 17-Dec. 23, 1919: Cases, 15; deaths, 3.
Leghorn.....	Nov. 10-Dec. 28.....	55	8	Province of Messina. Dec. 14-
Messina.....	Dec. 29-Jan. 18.....	12	2	28, 1919: Cases, 68. Jan. 5-18,
Do.....	Oct. 1-Nov. 30.....	12	2	1920: Cases, 54.
Milan.....	Dec. 28-Jan. 25.....	8	12	
Naples.....	Dec. 27-Jan. 23.....	6	3	
Palermo.....	Dec. 1-28.....	49	5	
San Fratello.....	Dec. 29-Jan. 18.....	22	1	
Do.....	Jan. 3-10.....	2		
Trieste.....	Dec. 28-Jan. 4.....	1		
Turin.....				
Japan:				
Kobe.....	Dec. 15-21.....	1		
Taiwan.....	Nov. 1-31.....	38	7	Entire island.
Do.....	Jan. 1-10.....	9	7	
Java:				
East Java.....				Sept. 28-Dec. 18, 1919: Cases, 34.
Residency—				
Surabaya.....	Oct. 25-Dec. 18.....	26		
West Java.....				Oct. 17-Dec. 25, 1919: Cases, 650;
Batavia.....	Oct. 17-Dec. 12.....	49	22	deaths, 151.
Mexico:				
Acapulco.....	Nov. 9-15.....	2		
Chihuahua.....	Dec. 21-27.....	2		
Do.....	Jan. 11-17.....		1	
Ciudad Juarez.....	Jan. 11-Feb. 7.....		2	
Guadalajara.....	Dec. 1-31.....	1		
Mexico City.....	Nov. 16-Dec. 20.....	11		
San Luis Potosi.....	Dec. 14-20.....		1	
Do.....	Jan. 18-24.....		1	
Tehuantepec.....	Dec. 25-31.....	6		
Do.....	Jan. 1-15.....	31		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
St. Johns.....	Dec. 20-26.....	3		Dec. 13-26, at outports, 6 cases. Present at 8 other localities.
Do.....	Dec. 27-Feb. 13...	9		Outports, 21 cases. Present at other localities.
Panama:				
Colon.....	Dec. 15-21.....	1		
Portugal:				
Lisbon.....	Nov. 30-Dec. 27.....		55	
Do.....	Dec. 23-Jan. 24.....		55	
Oporto.....	Dec. 7-20.....	5	5	
Portuguese East Africa:				
Lourenco Marques.....	Nov. 23-Dec. 20...	9		Present in 5 districts Nov. 9-Dec. 20, 1919, with 56 reported cases.
Districts—				
Gaza.....	Dec. 7-13.....			Present.
Inhambane.....	do.....			Do.
Mozambique.....	do.....			Do.
Quelimane.....	do.....			Do.
Tete.....	do.....			Do.
Towns—				
Inhambane.....	Dec. 7-27.....	7		
Mozambique.....	do.....	2		
Quelimane.....	do.....	4		
Tete.....	do.....	1		
Spain:				
Barcelona.....	Nov. 6-Dec. 27.....		26	
Do.....	Dec. 23-Jan. 21.....		19	
Bilbao.....	Nov. 1-Dec. 20.....		4	
Cadiz.....	Oct. 1-Nov. 30.....		6	
Valencia.....	Nov. 10-Dec. 27.....	39	9	
Do.....	Dec. 23-Jan. 24.....	38	3	
Vigo.....	Nov. 18-Dec. 27.....	14		
Do.....	Dec. 23-Jan. 3.....	2	2	Jan. 11-17, 1920: Present in vicinity.
Sumatra:				
Medan.....	Oct. 1-31.....	8		
Tunis:				
Tunis.....	Dec. 23-29.....	1		
Do.....	Jan. 19-25.....	1	1	
Turkey:				
Constantinople.....	Nov. 9-Dec. 14.....	27		
Union of South Africa:				
Johannesburg.....	Oct. 1-Nov. 30.....	18		
On vessel:				
S. S. Roggeveen.....		1		Vessel from Java; at Noumea, New Caledonia. Case left at Noumea. Vessel arrived at Sydney, Jan. 2, 1920.
S. S. Sarcosis.....	Dec. 23.....	1		At Ponta Delgada, Azores, from Rotterdam for New York.
S. S. Vestnorge.....	Jan. 15.....	1		Mild. At Kingston, Jamaica, from Philadelphia, via Norfolk.

TYPHUS FEVER.

Algeria:				
Departments—				
Algiers.....	Dec. 11-31.....	2		
Constantine.....	Nov. 11-Dec. 31.....	2		
Do.....	Jan. 1-10.....	1		
Oran.....	Nov. 21-Dec. 11.....	5		
Austria.....				Sept. 7-Nov. 22, 1919: Cases, 17.
Vienna.....	Sept. 7-14.....	5		
Belgium:				
Ghent.....	Jan. 25-31.....		2	
Bolivia:				
La Paz.....	June 29-Dec. 20.....	30	31	Dec. 29, 1918-June 28, 1919: Deaths, 52.
Do.....	Jan. 4-24.....	6	2	
Bulgaria:				
Sofia.....	Dec. 21-31.....	1	1	
Do.....	Jan. 1-10.....	2		
Varna.....	Feb. 18.....	110		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
Ontario Province.....				Dec. 1-31, 1919: One case.
Chile:				
Antofagasta.....	Nov. 17-Dec. 14....	14		
Santiago.....				Jan. 12-Sept. 30, 1919: Cases, 5,153; deaths, 1,023. Outbreak in October, 1918.
Valparaiso.....	Nov. 9-Dec. 27.....	955	114	Dec. 1-13, 1919: Cases, 700; deaths, 18
Do.....	Dec. 28-Jan. 18.....	125	30	
China:				
Antung.....	Nov. 3-Dec. 14.....	2		
Czecho-Slovakia:				
Prague.....	Dec. 21-27.....	1		
Egypt:				
Alexandria.....	Nov. 12-Dec. 16....	6	1	
Do.....	Jan. 1-7.....	5		
Cairo.....	Oct. 1-Dec. 9.....	98	39	
Port Said.....	Oct. 1-Dec. 2.....	2	1	
Estonia:				
Narva.....	Feb. 16.....	2,500		Feb. 16, 1920: Cases, 7,500 to 8,000. Estimated mortality, 40 per cent.
Reval.....	do.....	2,500		
Finland:				
Province—				
Viborg.....	July 16-31.....	2		
Germany.....				Oct. 5-Dec. 6, 1919: Cases, 10—civil population, 3; military, 4. Repatriated soldiers, 3.
Great Britain:				
Belfast.....	Dec. 28-Jan. 3.....	1	1	
Glasgow.....	Nov. 30-Dec. 6.....	2		
Greece:				
Cavalla.....	Nov. 17-Dec. 28.....	4		
Drama.....	Nov. 24-Dec. 28.....	6		
Saloniki.....	Oct. 6-Dec. 21.....		43	
Do.....	Dec. 28-Jan. 9.....	5		
Thassos Island.....	Dec. 22-28.....	1		
Zihna.....	do.....	1		
Hungary.....				Aug. 25-Sept. 14, 1919: Cases, 6.
Italy:				
Naples.....	Jan. 19-25.....	2	1	
Trieste.....	Dec. 14-27.....	3		
Do.....	Dec. 28-Jan. 3.....	1		
Venice.....	Nov. 17-Dec. 21.....	6	1	
Japan:				
Nagasaki.....	Dec. 1-28.....	4	2	
Do.....	Jan. 12-18.....	1	1	
Mexico:				
Chihuahua.....	Dec. 21-27.....	2		
Do.....	Jan. 11-17.....		1	
Mexico City.....	Nov. 16-Dec. 20.....	107		
Saltillo.....	Nov. 1-30.....	2	1	
San Luis Potosi.....	Dec. 14-27.....			Present.
Do.....	Dec. 28-Feb. 14.....			Do.
Paraguay:				
Asuncion.....	Nov. 30-Dec. 6.....	1		
Peru:				
Callao.....	Nov. 1-30.....		1	
Cerro de Pasco.....	Dec. 7-13.....	1		
Portugal:				
Lisbon.....	Dec. 6-12.....		2	
Spain:				
Barcelona.....	Nov. 20-26.....	7		
Corunna.....	Nov. 24-Dec. 7.....	2		
Tunis:				
Tunis.....	Dec. 14-20.....	1		
Do.....	Dec. 29-Jan. 31.....	2	1	
Turkey:				
Constantinople.....	Nov. 14-Dec. 27.....	49		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from Dec. 27, 1919, to Mar. 5, 1920—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Oct. 26-Nov. 8....	1	2	
Mexico:				
Campeche.....	Dec. 20.....	1		
Merida.....	Dec. 7-27.....	4	2	The cases were sent from Opi- chen, vicinity of Muna. One death in case from Muna. To- tal to Dec 27: Cases, 47; deaths, 21.
Do.....	Dec. 28-Jan. 31....	1		